

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Administration

General Specifications

Customer Name	<input type="text" value="Transport for London"/>	Customer Order No.	<input type="text"/>
Intersection/ General Description	<input type="text" value="BARKING RD/GREEN ST/CENTRAL
PARK RD TFL SITE 17/007"/>	Controller/ Serial Number	<input type="text" value="401798"/>
Controller	<input checked="" type="radio"/> New <input type="radio"/> Modification	S.T.S. /EM Number	<input type="text" value="66036"/> Issue <input type="text" value="9"/>
Area Specifications/ Customer Drawings	<input type="text" value="SLD/17/007/10"/>	Equipment Installation by	<input type="text"/>
Specification Section	<input type="text" value="TFL TR2500 ISSUE 14"/>	Slot Cutting by	<input type="text"/>
Contract/Tender Ref:	<input type="text" value="ATM SCHEME"/>	Civil Works by	<input type="text"/>
Quotation No.	<input type="text"/>	Customer's Engineer	<input type="text"/>
Works Order No.	<input type="text" value="853808149Y"/>	Telephone Number	<input type="text"/>

Signal Company Use Only

Signal Engineer	<input type="text"/>	(IF Prom Label as >) Prom Number	<input type="text" value="16274"/>	Prom Variant	<input type="text" value="27"/>
		Configuration Check Value	<input type="text" value="9E BB 74 1E"/>		

Controller Options

Hardware	<input type="text" value="T800"/>	Firmware Type and Issue	<input type="text" value="PB800 ISS 24"/>	Other Options	<input type="text" value="KTD LO"/>
----------	-----------------------------------	-------------------------	---	---------------	-------------------------------------

ST900/ST750 Series Cabinet Options

Cabinet/Rack	Kit Type Options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cabinet/Rack Variant	Cuckoo Options	<input type="checkbox"/>			

Mains Supply	<input type="text" value="230"/> Volts	<input type="text" value="50"/> Hz					
Peak Lamp Current	<input type="text" value="9"/> Amps	Dimming Voltage	<input type="text" value="160"/>	Answer Issue	<input type="text" value="0"/>	Date Created	<input type="text" value="07/03/02"/>
Average Lamp Power	<input type="text" value="1824"/> Watts	Low Inrush Tra	<input type="checkbox"/>	Edit Issue	<input type="text" value="42"/>		
Total Average Power	<input type="text" value="1986"/> Watts						

Power feed fuse rating: requires 30 Amp minimum for controller, 15 Amp minimum for pelican/lightly loaded controller

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Streams, Stages, Phases Control

Select Object to Add/Delete/Insert

Streams	
<input type="radio"/>	Current Number of Streams <input type="text" value="1"/>

Phases	
<input type="radio"/>	Current Total Number of Phases <input type="text" value="16"/>
<input checked="" type="radio"/>	Number of Real Phases <input type="text" value="11"/>
<input type="radio"/>	Number of Dummy Phases <input type="text" value="5"/>

Stages	
<input type="radio"/>	Current Number of stages (inc. ALL-RED stages) <input type="text" value="9"/>

Switched Signs	
<input type="radio"/>	Number of Switched Signs <input type="text" value="0"/>

Action	
<input type="button" value="Add At"/>	<input type="button" value="Delete At"/>

Facilities/Modes Enabled and Mode Priority Levels

Facilities

<input checked="" type="checkbox"/> Manual Control	<input type="checkbox"/> Part Time	<input type="checkbox"/> London IMU	<input checked="" type="checkbox"/> Pelican/Puffin/Toucan Facilities
<input type="checkbox"/> Manual Step On Mode	<input checked="" type="checkbox"/> Master Time Clock		<input type="checkbox"/> Standalone Manual
<input type="checkbox"/> CLF (Base Time)	<input checked="" type="checkbox"/> RED Lamp Monitoring	<input checked="" type="checkbox"/> Extend All Red	<input type="checkbox"/> Holiday Clock
<input type="checkbox"/> CLF (non-Base Time)	<input checked="" type="checkbox"/> Lamp Monitoring	<input type="checkbox"/> Fail To Hardware Flashing	<input type="checkbox"/> Fail to Part Time
<input checked="" type="checkbox"/> UTC Facility	<input type="checkbox"/> Linked Fixed Time	<input type="checkbox"/> Ripple Change	<input checked="" type="checkbox"/> Serial MOVA
<input type="checkbox"/> Hurry Call Mode	<input checked="" type="checkbox"/> FT To Current MAX	<input type="checkbox"/> Non-UK	<input checked="" type="checkbox"/>
<input type="checkbox"/> Priority	<input type="checkbox"/> Speed Measurement		<input type="checkbox"/> Free-Standing OTU
<input type="checkbox"/> Emergency Vehicles	<input type="checkbox"/> Download To Level 3		<input type="checkbox"/> Integral OTU

Starting Intergreen

Mode Priority

PRIORITY	1	2	3	4	5	6	7	8	9	10	11
Part Time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency Vehicle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hurry Call	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Selected Man Cntrl	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UTC	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manual Step On	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Selected FT or VA or CLF	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cableless Link (CLF)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Priority Vehicle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle Actuated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fixed Time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Configuration Complexity

Low
 Medium
 High
 Maximum

C:\Program Files\Siemens AG\IC\IRLS9.8DF

Default PROM data file

Correspondence Monitoring to inc.

Reds Ambers
 Switched Signs Ignore Reds and Ambers during Fail to Part Time

Flash Rate (ms)

Off On

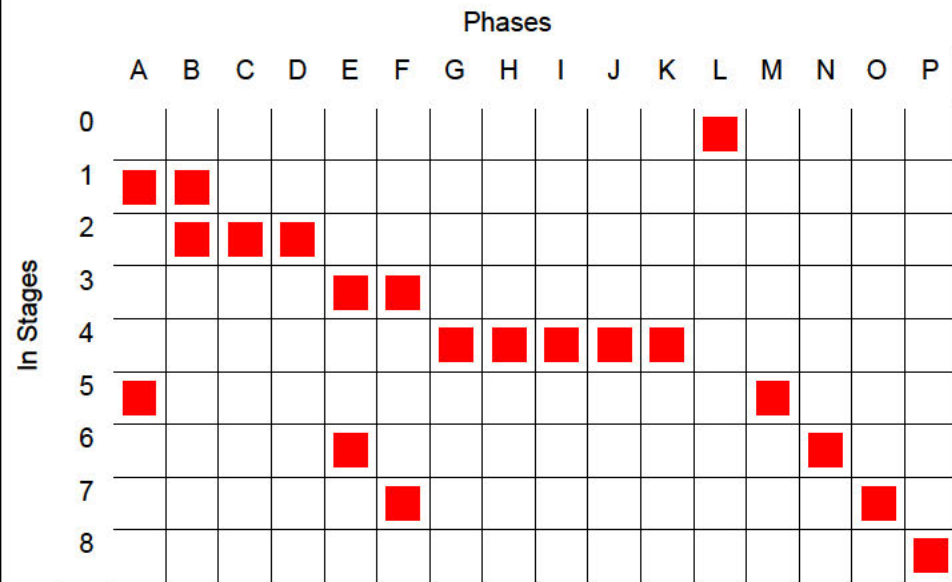
Works Order : 853808149Y

EM Number : 66036

Engineer : [REDACTED]

Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phases in Stages



Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Stages in Streams

Stream Data	0	1	2	3	4	5	6	7
Phase or Stage to revert to in absence of demands/extensions	<input type="text" value="1"/>							
Startup Stage	<input type="text" value="1"/>							
Part-Time switch off stage								
Standalone Pedestrian	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NB : For a Stand-Alone Stream, the reversion must be to All Red stage or Traffic stage/phase to meet the relevant standard or specification.

Stages

	0	1	2	3	4	5	6	7	8
In Stream	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phase Type and Conditions

Phase Type and Conditions

Phases A to P

Phase	Title	Type	App. Type	Term. Type	Assoc. Phase
A	BARKING RD E/B	0 - UK Traffic	0	0 - I	
B	BARKING RD W/B	0 - UK Traffic	0	0 - I	
C	BARKING RD W/B+R/T	2 - UK GreenArrow	0	2 - I	B
D	GREEN ST L/T F LTER	2 - UK GreenArrow	0	1 - I	E
E	GREEN ST	0 - UK Traffic	0	0 - I	
F	BOUNDARY RD	0 - UK Traffic	0	0 - I	
G	PEDS X BOUNDARY RD	1 - UK Far Side Pedestrian	0	0 - I	
H	PEDS X BARKING RD W/SIDE	1 - UK Far Side Pedestrian	0	0 - I	
I	PED X GREEN ST	1 - UK Far Side Pedestrian	0	0 - I	
J	PEDS X BARKING RD E/S DE	1 - UK Far Side Pedestrian	0	0 - I	
K	PED X CENTRAL PARK RD	1 - UK Far Side Pedestrian	0	0 - I	
L	DUMMY ALL-RED	2 - UK GreenArrow	0	0 - I	
M	UTC DUMMY STAGE 5	2 - UK GreenArrow	0	0 - I	
N	UTC DUMMY STAGE 6	2 - UK GreenArrow	0	0 - I	
O	UTC DUMMY STAGE 7	2 - UK GreenArrow	0	0 - I	
P	UTC ALL RED	2 - UK GreenArrow	0	0 - I	

- 1) App Types: 0 = Always Appears, 1 = Appears if dem'd prior to interstage, 2 = If dem'd, 3 = If dem'd before end of window time
- 2) Term Types: 0 = Term's at end of stage, 1 = Term's when Assoc phase gains R.O.W, 2 = Term's when Assoc phase loses R.O.W.
- 3) The H/W Fail Flash fields are for information only on all but ST900ELV Controllers. For other controllers, physical switches or links (etc.) select which aspects flash and these need to be set up manually.

Opposing and Conflicting Phases

Select Stream(s) To Configure

All
 0

Initialise

To Phase

From Phase

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
A		o	Co	Co	Co	Co	Co	Co	Co	Co	Co	o	o	o	o	o
B	o		o	o	Co	Co	Co	Co	Co	Co	Co	o	o	o	o	o
C	Co	o		o	Co	Co	o	o	Co	Co	o	o	o	o	o	o
D	Co	o	o		o	o	o	o	Co	Co	o	o	o	o	o	o
E	Co	Co	Co	o			Co	Co	Co	Co	Co	o	o	o	o	o
F	Co	Co	Co	o	o		Co	Co	Co	Co	Co	o	o	o	o	o
G	Co	Co	o	o	Co	Co		o	o	o	o	o	o	o	o	o
H	Co	Co	o	o	Co	Co	o		o	o	o	o	o	o	o	o
I	Co	Co	Co	Co	Co	Co	o	o		o	o	o	o	o	o	o
J	Co	Co	Co	Co	Co	Co	o	o	o		o	o	o	o	o	o
K	Co	Co	o	o	Co	Co	o	o	o	o		o	o	o	o	o
L	o	o	o	o	o	o	o	o	o	o	o		o	o	o	o
M	o	o	o	o	o	o	o	o	o	o	o	o		o	o	o
N	o	o	o	o	o	o	o	o	o	o	o	o	o		o	o
O	o	o	o	o	o	o	o	o	o	o	o	o	o	o		o
P	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phase Minimums, Maximums, Extensions, Ped. Leaving periods

Phase Minimums, Maximums, Extensions, Ped. Leaving periods

Phases A to P

Phase	Min Green	Min Ped Clr	Extensions	Maximums								Pre-timed
				A	B	C	D	E	F	G	H	
A	7	0	0.4	35	26	21	36	0	0	0	0	<input type="checkbox"/>
B	7	0	0.4	35	26	21	36	0	0	0	0	<input type="checkbox"/>
C	4	0	2.0	7	6	6	5	0	0	0	0	<input type="checkbox"/>
D	4	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
E	7	0	0.4	15	24	14	20	0	0	0	0	<input type="checkbox"/>
F	7	0	0.4	15	24	14	20	0	0	0	0	<input type="checkbox"/>
G	6	7	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
H	6	7	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
I	6	7	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
J	6	7	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
K	6	7	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
L	3	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
M	1	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
N	1	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
O	1	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
P	1	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>

NB: For Standalone Streams see Help for use of Max. Sets.

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phase Intergreen Times

Select Stream(s) To Configure

All
 0

NB: On a Stand Alone Pelican/Toucan/Puffin Stream the Intergreens between Pedestrian and Traffic Phases are controlled by the timings (PBT, PIT, CMX, CDY, CRD and PAR), herefore 0 should be entered for the appropriate intergreen times in grid below

		To Phase															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
From Phase	A			7	9	9	9	12	12	12	12	12	3		9	9	3
	B					8	8	12	12	12	12	12	3	3	7	8	3
	C	5				7	5			12	12		3	5	7	5	3
	D	5								6	9		3	5		5	3
	E	7	7	5				14	14	14	14	14	3	5		5	3
	F	7	7	7				14	14	14	14	14	3	5	5		3
	G	15	15			15	15						7	15	15	15	7
	H	15	15			15	15						7	15	15	15	7
	I	15	15	15	15	15	15						7	15	15	15	7
	J	15	15	15	15	15	15						7	15	15	15	7
	K	15	15			15	15						7	15	15	15	7
	L	2	2	2	2	2	2	2	2	2	2	2		2	2	2	
	M		2	7	9	9	8	12	12	12	12	12	3		9	8	3
	N	5	5	5			5	14	14	14	14	14	3	5		5	3
	O	5	7	7	5	5		14	14	14	14	14	3	5	5		3
	P	2	2	2	2	2	2	2	2	2	2	2		2	2	2	

Handset Intergreen Limits

HIGH 199

Copy Intergreen Values

To Phase

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
From Phase			7	9	9	9	12	12	12	12	12	3		9	9	3
					8	8	12	12	12	12	12	3	3	7	8	3
	5				7	5			12	12		3	5	7	5	3
	5								6	9		3	5		5	3
	7	7	5				14	14	14	14	14	3	5		5	3
	7	7	7				14	14	14	14	14	3	5	5		3
	15	15			15	15						7	15	15	15	7
	15	15			15	15						7	15	15	15	7
	15	15	15	15	15	15						7	15	15	15	7
	15	15	15	15	15	15						7	15	15	15	7
	15	15			15	15						7	15	15	15	7
	2	2	2	2	2	2	2	2	2	2	2		2	2	2	
		2	7	9	9	8	12	12	12	12	12	3		9	8	3
	5	5	5			5	14	14	14	14	14	3	5		5	3
	5	7	7	5	5		14	14	14	14	14	3	5	5		3
	2	2	2	2	2	2	2	2	2	2	2		2	2	2	

Phase Timing Handset Ranges

Phase Timing Handset Ranges

Initialise Min Green Limits

Phase	Min. Green		Phase	Min. Green		Max. Green	
	Min.	Max.		Min.	Max.	Min.	Max.
A	<input type="text" value="7"/>	<input type="text" value="20"/>	Q			<input type="text" value="7"/>	<input type="text" value="255"/>
B	<input type="text" value="7"/>	<input type="text" value="20"/>	R			Vehicle Extension	
C	<input type="text" value="4"/>	<input type="text" value="20"/>	S				
D	<input type="text" value="4"/>	<input type="text" value="20"/>	T			Phase Delay	
E	<input type="text" value="7"/>	<input type="text" value="20"/>	U				
F	<input type="text" value="7"/>	<input type="text" value="20"/>	V			Starting I/G	
G	<input type="text" value="6"/>	<input type="text" value="20"/>	W				
H	<input type="text" value="6"/>	<input type="text" value="20"/>	X			Min Ped Clr (PBT)	
I	<input type="text" value="6"/>	<input type="text" value="20"/>	Y				
J	<input type="text" value="6"/>	<input type="text" value="20"/>	Z			Traffic Phase Leaving	
K	<input type="text" value="6"/>	<input type="text" value="20"/>	A2				
L	<input type="text" value="3"/>	<input type="text" value="20"/>	B2			Traffic Phase Red/Amber	
M	<input type="text" value="1"/>	<input type="text" value="20"/>	C2				
N	<input type="text" value="1"/>	<input type="text" value="20"/>	D2				
O	<input type="text" value="1"/>	<input type="text" value="20"/>	E2				
P	<input type="text" value="1"/>	<input type="text" value="20"/>	F2				

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phase - VA Demand and Extend Definitions

VA Demand and Extend Definitions

Phases A to P

Demands

Phase

For Unlatched demands precede the name with a #.
Conditioning MUST be used to specify unlatched demands.

A	AMVDP12			AIRD
B	BMVDP5			BIRD
C				
D				
E	EMVDP3			EIRD
F	FMVDP10			FIRD
G	PBGP9	PBGP10		
H	PBHP11	PBHP12		
I	PBIP2	PBIP3		
J	PBJP4	PBJP5		
K	PBKP7	PBKP8		
L				
M				
N				
O				
P				

Extensions

AMVDP12			
BMVDP5			
CP			
EMVDP3			
FMVDP10			

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Phase Internal/Revertive Demands

Phase Internal/Revertive Demands

Start-up Vehicle Responsive Demands

A	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input checked="" type="checkbox"/>	E	<input checked="" type="checkbox"/>	F	<input checked="" type="checkbox"/>	G	<input checked="" type="checkbox"/>	H	<input checked="" type="checkbox"/>	I	<input checked="" type="checkbox"/>	J	<input checked="" type="checkbox"/>	K	<input checked="" type="checkbox"/>	L	<input type="checkbox"/>	M	<input type="checkbox"/>	N	<input type="checkbox"/>	O	<input type="checkbox"/>	P	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Demands Inserted When Leaving Manual and Fixed Time Modes

A	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input checked="" type="checkbox"/>	E	<input checked="" type="checkbox"/>	F	<input checked="" type="checkbox"/>	G	<input checked="" type="checkbox"/>	H	<input checked="" type="checkbox"/>	I	<input checked="" type="checkbox"/>	J	<input checked="" type="checkbox"/>	K	<input checked="" type="checkbox"/>	L	<input type="checkbox"/>	M	<input type="checkbox"/>	N	<input type="checkbox"/>	O	<input type="checkbox"/>	P	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Unlatched Demands that Start Max Timers

A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>	E	<input type="checkbox"/>	F	<input type="checkbox"/>	G	<input type="checkbox"/>	H	<input type="checkbox"/>	I	<input type="checkbox"/>	J	<input type="checkbox"/>	K	<input type="checkbox"/>	L	<input type="checkbox"/>	M	<input type="checkbox"/>	N	<input type="checkbox"/>	O	<input type="checkbox"/>	P	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Revertive Phase Demands

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
A	B	B		E	F										
Q	R	S	T	U	V	W	X	Y	Z	A2	B2	C2	D2	E2	F2

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Stream - Pelican/Puffin/Toucan Times

Stream - Pelican/Puffin/Toucan Times

Pedestrian Enable VA Mode (PEV)

								Streams	
0	1	2	3	4	5	6	7		

Pedestrian All Red Times (Vehicle to Pedestrian)

Streams	0	1	2	3	4	5	6	7
(PAR n 0) VA Gap Change								
(PAR n 1) VA Max Change								
(PAR n 2) FVP Change								
(PAR n 3) UTC Change								
(PAR n 4) Local Link Change								

Handset Range Limits

Min	Max
0	0
0	0
0	0
0	0

Pelican Intergreen times

(PIT n 0) Veh Red/Ped Flash Green	0	0
(PIT n 1) Veh Flash Amber/Ped Flash Green	0	0
(PIT n 2) Veh Flash Amber/Ped red	0	0
(PIT n 3) Veh Flash Amber/Ped Red Quiescent	0	0

Phase - Pelican Puffin and Toucan Times

Phase - Pelican Puffin and Toucan Times

Phases A to P

Phase	PDD Ped Dem Del	PDX Demand Hold	CMX Ped Clearance Maximum	CDY 0 Clearance Delay Gap Chng	CDY 1 Clearance Delay Max Chng	CRD Clearance Minimum Red	
A	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
B	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="checkbox"/>
C	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
D	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="checkbox"/>
E	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
F	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
G	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	
H	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	
I	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	
J	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	
K	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	
L	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
M	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
N	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
O	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	
P	<input type="text" value="0"/>	<input type="text" value="0.0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	

Handset Range Limits

	MIN	MAX
Pedestrian Demand delay PDD	<input type="text" value="0"/>	<input type="text" value="0"/>
Pedestrian Demand Hold PDX	<input type="text" value="0.0"/>	<input type="text" value="0.0"/>
Pedestrian Clearance CMX	<input type="text" value="0"/>	<input type="text" value="0"/>
Pedestrian Clearance Delays CDY 0 and CDY1	<input type="text" value="0"/>	<input type="text" value="0"/>
Pedestrian Clearance Delay (Red) CRD	<input type="text" value="1"/>	<input type="text" value="1"/>

Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

IO and Link - Pelican/Puffin/Toucan Times

IO and Link - Pelican/Puffin/Toucan Times

Streams	0	1	2	3	4	5	6	7
---------	---	---	---	---	---	---	---	---

Computer Control

PV

Window Time
UIE

Local Link

PV1

Link Delay Time
LKD

Link Window Time
LKW

Link Override Time
LKO

Kerbside Mat Test
Output

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Stage - Prohibited, Alternative, Ignored Moves

Stage - Prohibited, Alternative, Ignored Moves

Sets	Modes	Restrictions ApplyTo	No Restrictions	Modes	Restrictions ApplyTo	No Restrictions
<input checked="" type="radio"/> 1	Urban Traffic Control	<input checked="" type="radio"/>	<input type="radio"/>	Manual	<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/> 2		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
<input type="radio"/> 3		<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
<input type="radio"/> 4		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
		Fixed Time	<input checked="" type="radio"/>		<input type="radio"/>	

To Stage

	0	1	2	3	4	5	6	7	8
From Stage	0		1						
1									
2	3	3			3	3	3	3	3
3			1				0	0	
4			1						
5		0	1						
6			1	0				0	
7			1	0			0		
8			1						

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Stage - Prohibited, Alternative, Ignored Moves

Stage - Prohibited, Alternative, Ignored Moves

Sets <input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Modes</th> <th style="width: 20%;">Restrictions ApplyTo</th> <th style="width: 20%;">No Restrictions</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td>Vehicle Actuated</td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> </tbody> </table>	Modes	Restrictions ApplyTo	No Restrictions		<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	Vehicle Actuated	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Modes</th> <th style="width: 20%;">Restrictions ApplyTo</th> <th style="width: 20%;">No Restrictions</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"><input checked="" type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> </tbody> </table>	Modes	Restrictions ApplyTo	No Restrictions		<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
Modes	Restrictions ApplyTo	No Restrictions																																	
	<input checked="" type="radio"/>	<input type="radio"/>																																	
	<input type="radio"/>	<input type="radio"/>																																	
Vehicle Actuated	<input checked="" type="radio"/>	<input type="radio"/>																																	
	<input type="radio"/>	<input type="radio"/>																																	
	<input checked="" type="radio"/>	<input type="radio"/>																																	
Modes	Restrictions ApplyTo	No Restrictions																																	
	<input checked="" type="radio"/>	<input type="radio"/>																																	
	<input type="radio"/>	<input type="radio"/>																																	
	<input type="radio"/>	<input type="radio"/>																																	
	<input type="radio"/>	<input type="radio"/>																																	

To Stage

		0	1	2	3	4	5	6	7	8
From Stage	0			1			X	X	X	X
	1						X	X	X	X
	2	3	3			3	X	X	X	X
	3			1			X	X	X	X
	4			1			X	X	X	X
	5		0	1				X	X	X
	6			1	0		X		X	X
	7			1	0		X	X		X
	8			1			X	X	X	

Phase delays

Phase delays

- Phase Delays 0-29
 Phase Delays 30-59
 Phase Delays 60-89
 Phase Delays 90-119

No.	Delay Phase	On Change from Stage	To Stage	By (X) Seconds		No.	Delay Phase	On Change from Stage	To Stage	By (X) Seconds
0	B	1	3	1		15				0
1	B	1	6	2		16				0
2	B	1	7	1		17				0
3	D	3	2	5		18				0
4				0		19				0
5				0		20				0
6				0		21				0
7				0		22				0
8				0		23				0
9				0		24				0
10				0		25				0
11				0		26				0
12				0		27				0
13				0		28				0
14				0		29				0

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Fixed Time

Fixed Time

Stage Moves & Times (Not Fixed Time to Current Max)

Current Stage	0	1	2	3	4	5	6	7
Next Stage								
Time								
Current Stage	8	9	10	11	12	13	14	15
Next Stage								
Time								
Current Stage	16	17	18	19	20	21	22	23
Next Stage								
Time								
Current Stage	24	25	26	27	28	29	30	31
Next Stage								
Time								

Phases Demanded and Extended under Fixed Time to Current Max.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Demand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Q	R	S	T	U	V	W	X	Y	Z	A2	B2	C2	D2	E2	F2
Demand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

UTC General Data

UTC General Data

Type of UTC

106

316

Integral OTU Address

Number of Control Words

Number of Reply Words

Controller to respond to TC bit.

Introduction of UTC to be disabled by Priority Mode

Non UTC RTC synchronisation input name

RTC Synchronisation Times

Clock Synchronise Time (UTC TS input)

Day

Time

Clock Confirm Time (UTC RT output)

Day

Time

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

UTC Control and Reply Data Format

UTC Control and Reply Data Format

	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8
Control Words								
Word 1	F1	#F2	#F3	#F4	F5	F6	F7	F8
Word 2	DX	TS						EP
Word 3								
Word 4								
Reply Words								
Word 1	G1	G2	G3	G4	G5	G6	G7	G8
Word 2	DF	TIME	JL	RF1	RF2			EC
Word 3	SB00	SB10	SB20	SB30	SB40	PR0	PR1	
Word 4								
Word 5								
Word 6								
Word 7								
Word 8								
Word 9								
Word 10								
Word 11								
Word 12								
Word 13								
Word 14								

UTC Stage and Modes Data Definitions

UTC Stage and Modes Data Definitions

Stage	Force Bit	Green Confirm Bit	Demand Confirm Bit	Stage	Force Bit	Green Confirm Bit	Demand Confirm Bit
0				16			
1	F1			17			
2	#F2			18			
3	#F3			19			
4	#F4			20			
5	F5			21			
6	F6			22			
7	F7			23			
8	F8			24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			

Mode Data Definitions

Manual Mode Operative:

G1/G2 RR

Manual Mode Selected:

G1/G2 RR

No Lamp Power, or Lamps Off due to RLM c

G1/G2

Detector Fault:

 DF

Normal NOT selected on the Manual Panel:

G1/G2 RR

RR Button Selected:

G1/G2 RR

If UTC Reply Confirms are required for a Controller Fault (CF) OR for separate MC and RR replies, Conditioning must be used.

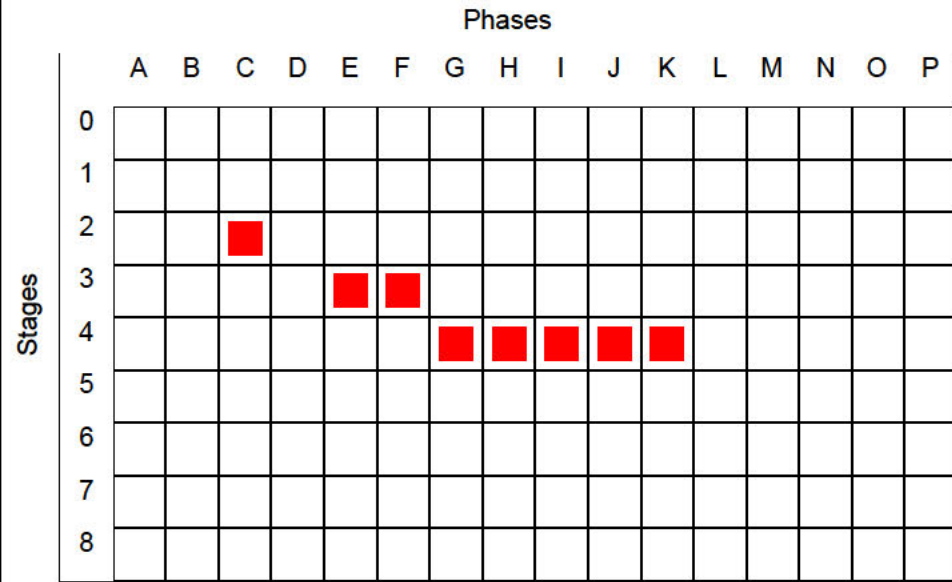
Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

UTC Demand Dependent Forces

Clear Grid Data

Notes:

If no data is entered for a stage then a demand for any phases in that stage will be considered.
The data specified on this screen will also change the screen
CLF - Demands to Consider with Demand Dependent Stage Moves.



Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Serial MOVA

Serial MOVA

1	SD0	2	SD1	3	SD2	4	SD3	5	SD4	6	SD5	7	SD6	8	SD7
9		10		11		12		13		14		15		16	
17		18		19		20		21		22		23		24	
25		26		27		28		29		30		31		32	
33		34		35		36		37		38		39		40	
41		42		43		44		45		46		47		48	
49		50		51		52		53		54		55		56	
57		58		59		60		61		62		63		64	

Note - only 32 detectors available on MOVA 4.0

MTC - Time Switch Parameters

MTC - Time Switch Parameters

	Type	Event		Type	Event
0	Alternate Max	MAXSETB	16	No Action	
1	Alternate Max	MAXSETC	17	No Action	
2	Alternate Max	MAXSETD	18	No Action	
3	Alternate Max	MAXSETE	19	No Action	
4	Alternate Max	MAXSETF	20	No Action	
5	Alternate Max	MAXSETG	21	No Action	
6	Alternate Max	MAXSETH	22	No Action	
7	Alternate DFM	ALTDFMB	23	No Action	
8	Alternate DFM	ALTDFMC	24	No Action	
9	Alternate DFM	ALTDFMD	25	No Action	
10	No Action		26	No Action	
11	No Action		27	No Action	
12	No Action		28	No Action	
13	No Action		29	No Action	
14	No Action		30	No Action	
15	No Action		31	No Action	

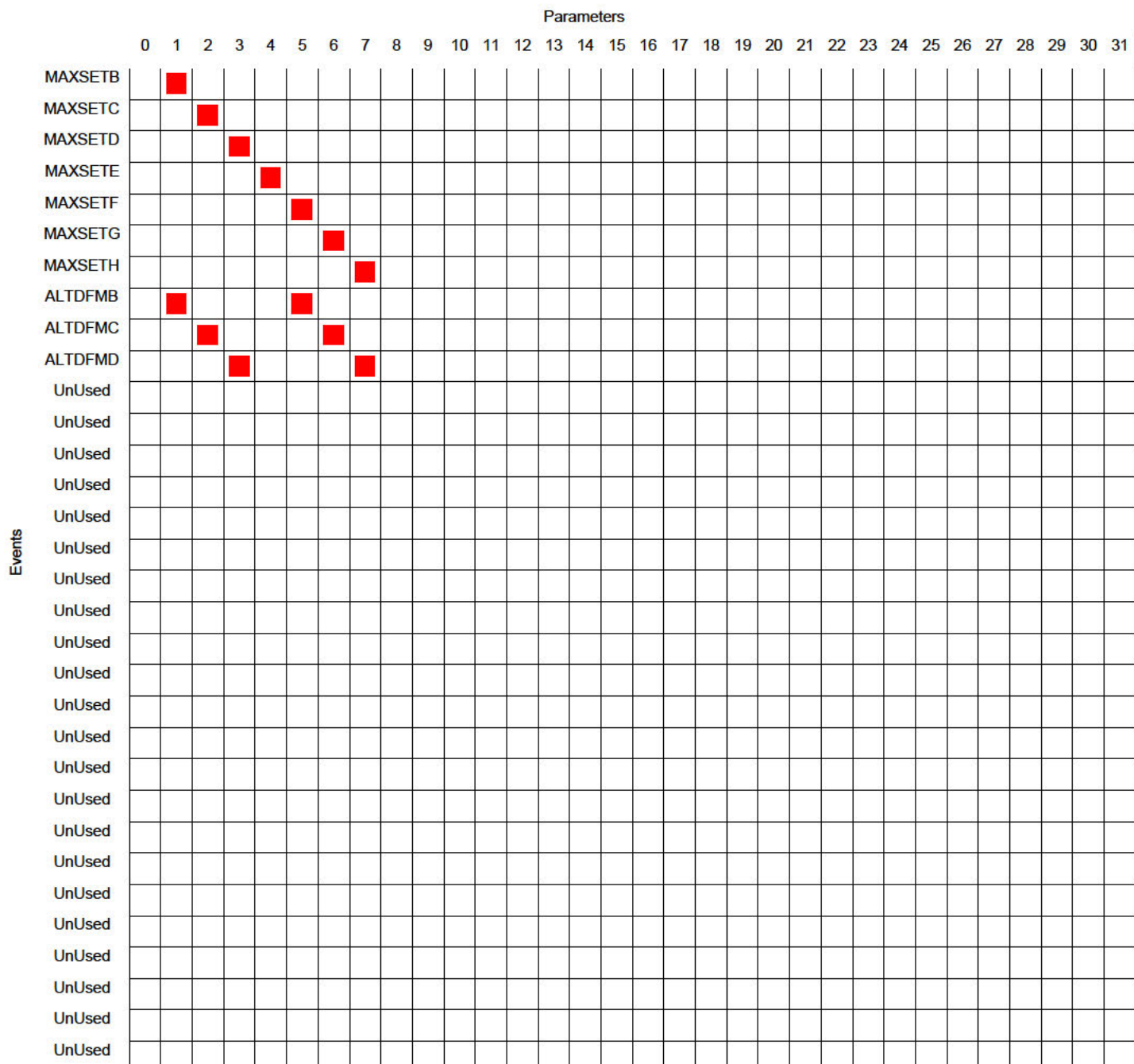
Works Order : 853808149Y

EM Number : 66036

Engineer : [REDACTED]

Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

MTC - Time Switch Parameters Array



Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Master Time Clock - Day Type

Master Time Clock - Day Type

No.	Mon	Tue	Wed	Thu	Fri	Sat	Sun
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Master Time Clock - Time Table

Master Time Clock - Time Table

View Time Table settings

0-15
 16-31
 32-47
 48-63

Number	Day Type	Time	Introduce Function Required	Function Number	Plan/Parameter
<input type="text" value="0"/>	<input type="text" value="9"/>	<input type="text" value="07:00:00"/>	<input type="text" value="INTRODUCE MAXSETB"/>	<input type="text" value="2"/>	<input type="text" value="1"/>
<input type="text" value="1"/>	<input type="text" value="9"/>	<input type="text" value="10:00:00"/>	<input type="text" value="INTRODUCE MAXSETA"/>	<input type="text" value="2"/>	<input type="text" value="0"/>
<input type="text" value="2"/>	<input type="text" value="9"/>	<input type="text" value="12:00:00"/>	<input type="text" value="INTRODUCE MAXSETC"/>	<input type="text" value="2"/>	<input type="text" value="2"/>
<input type="text" value="3"/>	<input type="text" value="9"/>	<input type="text" value="15:00:00"/>	<input type="text" value="INTRODUCE MAXSETD"/>	<input type="text" value="2"/>	<input type="text" value="3"/>
<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="09:00:00"/>	<input type="text" value="INTRODUCE MAXSETB"/>	<input type="text" value="2"/>	<input type="text" value="1"/>
<input type="text" value="5"/>	<input type="text" value="0"/>	<input type="text" value="10:00:00"/>	<input type="text" value="INTRODUCE MAXSETB"/>	<input type="text" value="2"/>	<input type="text" value="1"/>
<input type="text" value="6"/>	<input type="text" value="7"/>	<input type="text" value="19:00:00"/>	<input type="text" value="INTRODUCE MAXSETA"/>	<input type="text" value="2"/>	<input type="text" value="0"/>
<input type="text" value="7"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="8"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="9"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="10"/>	<input type="text" value="7"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="11"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="12"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="13"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="14"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="15"/>	<input type="text" value="0"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Function Numbers:

0 = Isolate From CLF

1 = Introduce a CLF Plan

2 = Introduce a Parameter
(Combination of event switches)

3 = Selects an Individual
event switch to be set

4 = Selects an Individual
event switch to be
cleared.

LMU - General

LMU - General

Lamp Monitoring - LMU Voltage

- 200-240
- 50-0-50, 100-120
- 230 CLS

Red Lamp Monitoring

Max Red Bu b Wattage

First Red Lamp Fault Speed

RLF2 Cancels RLM additional Intergreens

RLF2 Only Cleared by RFL = 1

RLF1 Only Cleared by RFL = 1

RLM Additional Intergreen Handset Limits

Minimum

Maximum

Streams with Phase BlackOut on RLF2

- 0
-
-
-
-
-
-
-

Works Order : 853808149Y

EM Number : 66036

Engineer : XXXXXXXXXX

Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

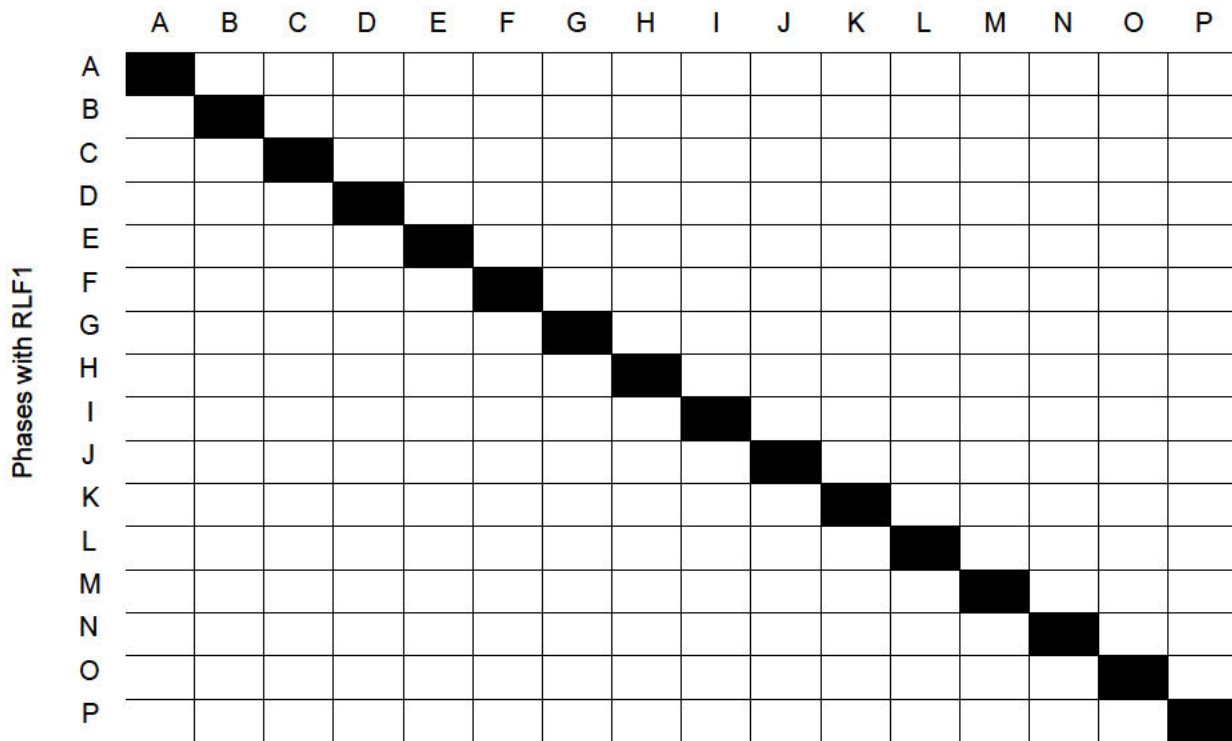
LMU - Sensors

LMU - Sensors											
On-Board Sensors				On-Board Sensors				External Sensors			
Sensor/ Phase	Sensor Type	Bulb Watts	NLM CLS	Sensor/ Phase	Sensor Type	Bulb Watts	NLM CLS	Sensor/ Pin	Drive	Sensor Type	Bulb Watts
1 \ A	As Seq.	40	<input type="checkbox"/>	17 \ Q			<input type="checkbox"/>	33 \ b14		Reg. Sign	7
2 \ B	As Seq.	40	<input type="checkbox"/>	18 \ R			<input type="checkbox"/>	34 \ z16		Reg. Sign	7
3 \ C	As Seq.	40	<input type="checkbox"/>	19 \ S			<input type="checkbox"/>	35 \ z14		Reg. Sign	7
4 \ D	As Seq.	40	<input type="checkbox"/>	20 \ T			<input type="checkbox"/>	36 \ z12		Reg. Sign	7
5 \ E	As Seq.	40	<input type="checkbox"/>	21 \ U			<input type="checkbox"/>	37 \ b14		Reg. Sign	7
6 \ F	As Seq.	40	<input type="checkbox"/>	22 \ V			<input type="checkbox"/>	38 \ z16		Reg. Sign	7
7 \ G	As Seq.	40	<input type="checkbox"/>	23 \ W			<input type="checkbox"/>	39 \ z14		Reg. Sign	7
8 \ H	As Seq.	40	<input type="checkbox"/>	24 \ X			<input type="checkbox"/>	40 \ z12		Reg. Sign	7
9 \ I	As Seq.	40	<input type="checkbox"/>	25 \ Y			<input type="checkbox"/>	41 \ b14			
10 \ J	As Seq.	40	<input type="checkbox"/>	26 \ Z			<input type="checkbox"/>	42 \ z16			
11 \ K	As Seq.	40	<input type="checkbox"/>	27 \ A2			<input type="checkbox"/>	43 \ z14			
12 \ L	As Seq.	40	<input type="checkbox"/>	28 \ B2			<input type="checkbox"/>	44 \ z12			
13 \ M	As Seq.	40	<input type="checkbox"/>	29 \ C2			<input type="checkbox"/>	45 \ b14			
14 \ N	As Seq.	40	<input type="checkbox"/>	30 \ D2			<input type="checkbox"/>	46 \ z16			
15 \ O	As Seq.	40	<input type="checkbox"/>	31 \ E2			<input type="checkbox"/>	47 \ z14			
16 \ P	As Seq.	40	<input type="checkbox"/>	32 \ F2			<input type="checkbox"/>	48 \ z12			

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

RLM Additional Intergreens

Phases Delayed



Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

RLM Phase Inhibits

Phases Inhibited/Blacked-out

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
A							■	■	■	■	■					
B							■	■	■	■	■					
C																
D																
E							■	■	■	■	■					
F							■	■	■	■	■					
G																
H																
I																
J																
K																
L																
M																
N																
O																
P																

Phases with RLF2

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Manual Panel

Manual Panel

Stage Buttons and LEDs

Button No.	Title	Called Stage for Stream							
		0	1	2	3	4	5	6	7
0	ALL-RED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	BARKING RD EAST AND WESTBOUND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	BARKING RD R/T AND GREEN ST L/T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	GREEN ST/BOUNDARY RD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	ALL ROUND PEDESTRIANS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General LEDs

	AUX 1	AUX 2	AUX 3	AUX 4 (Hurry Call)	AUX 5 (Higher Priority)
Conditioned	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Buttons

	None	SW1	SW2	SW3
Momentary		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dim Override	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RR	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Manual Signals On

- Immediate Signals On
 As Start-Up

Manual Mode Enable

- Always
 When Handset Plugged in (Note 1)
 When 'MND' Command Entered

Note 1:
 For this to operate
 Special Conditioning
 is required.

Mode Select Switches Disabled

- VA Fixed Time CLF

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Extend All Red - General

Extend All Red - General

Modes Supporting All Red Extensions

- | | Auto Extend to Max. |
|------------------|-------------------------------------|
| Manual | <input checked="" type="checkbox"/> |
| CLF | <input type="checkbox"/> |
| UTC | <input type="checkbox"/> |
| Hurry Call | <input type="checkbox"/> |
| Priority | <input type="checkbox"/> |
| Emergency Veh. | <input type="checkbox"/> |
| V.A.,CLF,UTC,Pri | <input type="checkbox"/> |
| Fixed Time | <input checked="" type="checkbox"/> |
| Part Time | <input type="checkbox"/> |
| Manual Step On | <input type="checkbox"/> |

All Red Timings

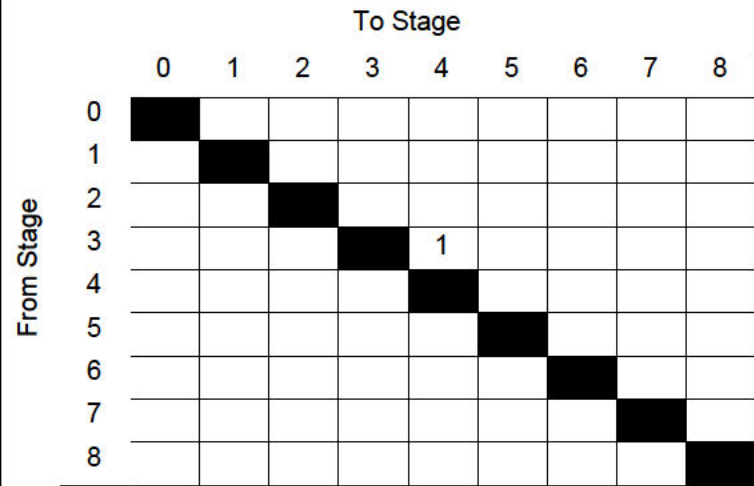
Stream	0	1	2	3	4	5	6	7
Extension Time	<input style="width: 100px;" type="text" value="0.0"/>							
MaxTime	<input style="width: 100px;" type="text" value="0"/>							

Detectors Associated with All Red Extension Units

Unit	Associated Detectors	
1	AR1	The association between detectors and extension units must be performed in special conditioning.
2		
3		
4		
5		
6		
7		

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

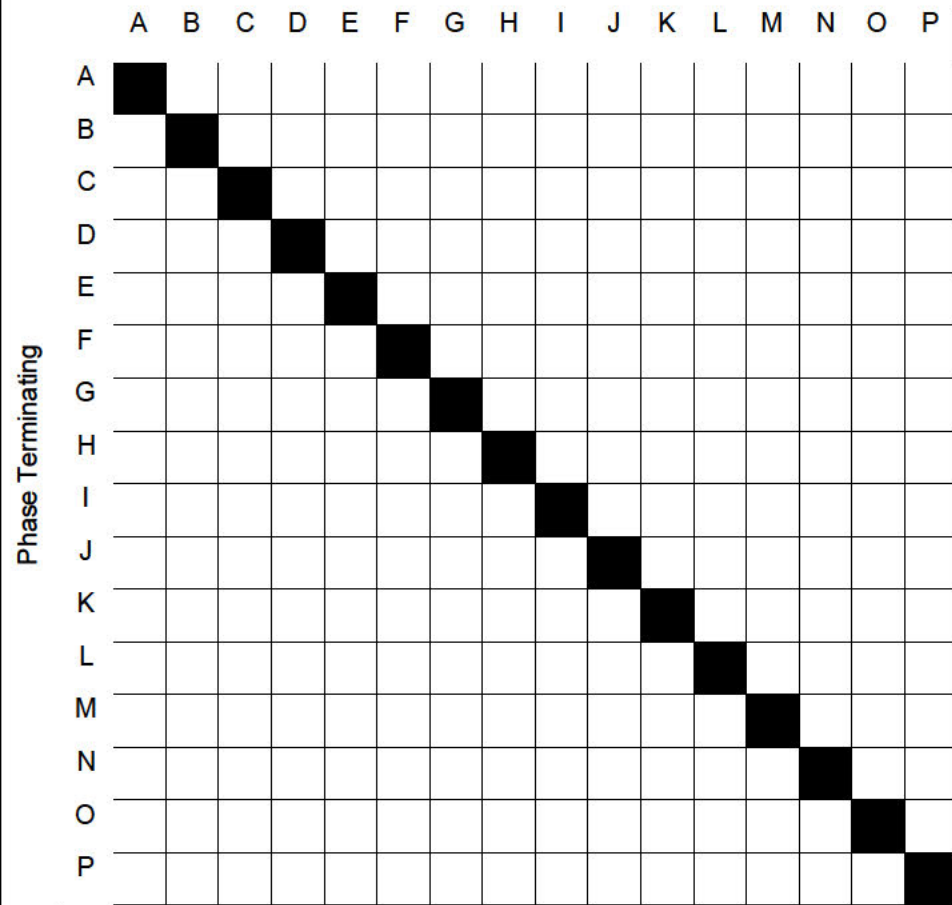
Extend All Red - Stage To Stage Moves



Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Extend All Red - Independent Intergreens

Phase not effected by hold



Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
; ALL RED LOOP CONDITIONING
; =====
FIRD+SSFIX=IGEO1           ; ALL RED UNIT 1 OCCUPIED
FIRD'+SSFIX=IGEC1         ; ALL RED UNIT 1 CLEARED

; UTC REPLIES
; =====
;

LMPON.SWLMP.S.NOT (FLF17) .NOT (PHASEA.PHASEB.STAGE1)=G1           ; STAGE 1 REPLY
LMPON.SWLMP.S.NOT (FLF17) .NOT (PHASEB.PHASEC.PHASED.STAGE2)=G2   ; STAGE 2 REPLY
NOT (PHASEE.PHASEF.STAGE3)=G3                                     ; STAGE 3 REPLY
NOT (PHASEG.PHASEH.PHASEI.PHASEJ.PHASEK.STAGE4)=G4               ; STAGE 4 REPLY
NOT (PHASEA.PHASEM.STAGE5)=G5                                     ; STAGE 5 REPLY
NOT (PHASEE.PHASEN.STAGE6)=G6                                     ; STAGE 6 REPLY
NOT (PHASEF.PHASEO.STAGE7)=G7                                     ; STAGE 7 REPLY
NOT (PHASEP.STAGE8)=G8                                           ; STAGE 8 REPLY

NOT (LMP1RED0)=RF1           ; FIRST RED LAMP FAIL
NOT (LMP2RED0)=RF2           ; 2nd RED LAMP FAIL/PEDS INHIBITED

NOT (FLF55)=JL               ; ANY LAMP FAIL (INCLUDING SWITCHED AND REG SIGNS)

NOT (PROIN)=PR0
NOT (PRIIN)=PR1

; RTC SYNCH CONFIRM SIGNAL.
; -----

; CONFIRM SIGNALS REPLY ONE MINUTE BEFORE AND ONE MINUTE AFTER THE SYNCH TIME
; AS FOLLOWS:-

; MONDAY ----- FOR 3 SECONDS
; TUESDAY ----- FOR 5 SECONDS
; WEDNESDAY -- FOR 7 SECONDS
; THURSDAY --- FOR 9 SECONDS
; FRIDAY ----- FOR 11 SECONDS
; SATURDAY --- FOR 13 SECONDS
; SUNDAY ----- FOR 15 SECONDS

; SYNCH TIME SET TO 3 HOURS 0 MINUTES THEN:-

(( (RTCTOD EQL<2>). (RTCMIN EQL<59>)) + ((RTCTOD EQL<3>). (RTCMIN EQL<1>))) =1SCRT107

(RTCDYS EQL<2>). (1SCRT107) .NOT (RTCSEC GRT<2>) =1SCRT102
(RTCDYS EQL<3>). (1SCRT107) .NOT (RTCSEC GRT<4>) =1SCRT103
(RTCDYS EQL<4>). (1SCRT107) .NOT (RTCSEC GRT<6>) =1SCRT104
(RTCDYS EQL<5>). (1SCRT107) .NOT (RTCSEC GRT<8>) =1SCRT105
(RTCDYS EQL<6>). (1SCRT107) .NOT (RTCSEC GRT<10>) =1SCRT106
(RTCDYS EQL<0>). (1SCRT107) .NOT (RTCSEC GRT<12>) =1SCRT100
(RTCDYS EQL<1>). (1SCRT107) .NOT (RTCSEC GRT<14>) =1SCRT101

NOT (1SCRT100+1SCRT101+1SCRT102+1SCRT103+1SCRT104+1SCRT105+1SCRT106) =TIME

; 'DX' GATED WITH 'F' BITS.
; -----
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
DX.F2=+UCST2          ; 'DX' BIT MUST BE GATED WITH 'F' BIT
DX.F3=+UCST3          ; TO GIVE UNLATCHED STAGE DEMAND FOR TFL
DX.F4=+UCST4
;BUS MANUAL PANEL AUX LEDES
;-----
SB0+SB1 = MIL22
SB2      = MIL23
SB3+SB4 = MIL05

;=====
;= BUS CONTROL =
;=====

; SB0 BUS INPUT
; -----
;
; Timers used with SB0 input.
; 0 = Maximum Loop Input Active timer.
; 1 = Bus extension timer.

;-----
; SB00 output control
;-----
;

; When bus detector SB0 is active output SB00 is operated for
; a minimum of 1.2 seconds or as long as it remains active
;
; Scratch bits used
; 1SCRCH20 - Controls minimum period of 1.2 seconds
; 1SCRTO   - Generates 'edge' to load scratch byte
;

; When the bus input first goes active load scratch byte with 6 which
; ensures the o/p is set for 6 x 200ms conditioning cycles
; Run bus active timer

IFT SB0 THN
  IFT NOT(1SCRTO).NOT(1SCR7) THN
    LOD <6> 1SCRCH20          ; LOAD SCRATCHWORD WITH COUNT FOR 1.2 SECONDS
    TRUE=1SCRTO
    RUN <0>
  ELS
    IFT NOT(CNDTMA0).1SCRTO THN          ; TIMER TERMINATED
      FALSE=1SCRTO
      TRUE=1SCR7
    END
  END
ELS
  FALSE:=1SCRTO          ; RESET FLAGS WHEN BUS DETECTOR NOT ACTIVE
  *=1SCR7
END

; Decrement until 0 to give 1.2 second period
IFT 1SCRST20 GRT <0> THN
  DEC 1SCRCH20
END

; SB00 Output for 1.2 sec's minimum or up to time SBO input is active
NOT(SB0+(1SCRST20 GRT <0>))=SB00
```

Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
; SB1 BUS INPUT
; -----
;
; Timers used with SB0 input.
; 2 = Maximum Loop Input Active timer.
; 3 = Bus extension timer.

;-----
; SB10 output control
;-----
;
; When bus detector SB1 is active output SB10 is operated for
; a minimum of 1.2 seconds or as long as it remains active
;
; Scratch bits used
; 1SCRTCH21 - Controls minimum period of 1.2 seconds
; 1SCRT10 - Generates 'edge' to load scratch byte
;
; When the bus input first goes active load scratch byte with 6 which
; ensures the o/p is set for 6 x 200ms conditioning cycles
; Run bus active timer

IFT SB1 THN
  IFT NOT(1SCRT10).NOT(1SCRT17) THN
    LOD <6> 1SCRTCH21 ; LOAD SCRATCHWORD WITH COUNT FOR 1.2 SECONDS
    TRUE=1SCRT10
    RUN <2>
  ELS
    IFT NOT(CNDTMA2).1SCRT10 THN ; TIMER TERMINATED
      FALSE=1SCRT10
      TRUE=1SCRT17
    END
  END
ELS
  FALSE:=1SCRT10 ; RESET FLAGS WHEN BUS DETECTOR NOT ACTIVE
  *=1SCRT17
END

; Decrement until 0 to give 1.2 second period.
IFT 1SCRTST21 GRT <0> THN
  DEC 1SCRTCH21
END

; SB10 Output for 1.2 sec's minimum or up to time SBO input is active
NOT(SB1+(1SCRTST21 GRT <0>))=SB10

; SB2 BUS INPUT
; -----
;
; Timers used with SB2 input.
; 4 = Maximum Loop Input Active timer.
; 5 = Bus extension timer.

;-----
; SB20 output control
;-----
;
; When bus detector SB2 is active output SB20 is operated for
; a minimum of 1.2 seconds or as long as it remains active
;
; Scratch bits used
; 1SCRTCH22 - Controls minimum period of 1.2 seconds
; 1SCRT20 - Generates 'edge' to load scratch byte
;
; When the bus input first goes active load scratch byte with 6 which
```


Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
; ensures the o/p is set for 6 x 200ms conditioning cycles

IFT SB2 THN
  IFT NOT(1SCRT20).NOT(1SCRT27) THN
    LOD <6> 1SCRTCH22          ; LOAD SCRATCHWORD WITH COUNT FOR 1.2 SECONDS
    TRUE=1SCRT20
    RUN<4>
  ELS
    IFT NOT(CNDTMA4).1SCRT20 THN      ; MAX LOOP INPUT ACTIVE TIMER TERMINATED
      FALSE=1SCRT20
      TRUE=1SCRT27
    END
  END
ELS
  FALSE:=1SCRT20
  *=1SCRT27
END

; Decrement until 0 to give 1.2 second period
IFT 1SCRTST22 GRT <0> THN
  DEC 1SCRTCH22
END

; SB20 Output for 1.2 sec's minimum or up to time SBO input is active
NOT(SB2+(1SCRTST22 GRT <0>))=SB20

; SB3 BUS INPUT
; -----
;
; Timers used with SB3 input.
; 6 = Maximum Loop Input Active timer.
; 7 = Bus extension timer.

; -----
; SB30 output control
; -----
;
;
; When bus detector SB3 is active output SB30 is operated for
; a minimum of 1.2 seconds or as long as it remains active
;
; Scratch bits used
;
; 1SCRTCH23 - Controls minimum period of 1.2 seconds
; 1SCRT30   - Generates 'edge' to load scratch byte
;
; When the bus input first goes active load scratch byte with 6 which
; ensures the o/p is set for 6 x 200ms conditioning cycles

IFT SB3 THN
  IFT NOT(1SCRT30).NOT(1SCRT37) THN
    LOD <6> 1SCRTCH23          ; LOAD SCRATCHWORD WITH COUNT FOR 1.2 SECONDS
    TRUE=1SCRT30
    RUN<6>
  ELS
    IFT NOT(CNDTMA6).1SCRT30 THN      ; MAX LOOP INPUT TIMER TERMINATED
      FALSE=1SCRT30
      TRUE=1SCRT37
    END
  END
ELS
  FALSE:=1SCRT30
  *=1SCRT37
END

; Decrement until 0 to give 1.2 second period
```

Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
IFT 1SCRTST23 GRT <0> THN
  DEC 1SCRTCH23
END

; SB30 Output for 1.2 sec's minimum or up to time SB3 input is active
NOT(SB3+(1SCRTST23 GRT <0>))=SB30
; SB4 BUS INPUT
; -----
;
; Timers used with SB4 input.
; 8 = Maximum Loop Input Active timer.
; 9 = Bus extension timer.

;-----
; SB40 output control
;-----
;
;
; When bus detector SB4 is active output SB40 is operated for
; a minimum of 1.2 seconds or as long as it remains active
;
; Scratch bits used
;
; 1SCRTCH24 - Controls minimum period of 1.2 seconds
; 1SCRT40 - Generates 'edge' to load scratch byte
;
; When the bus input first goes active load scratch byte with 6 which
; ensures the o/p is set for 6 x 200ms conditioning cycles

IFT SB4 THN
  IFT NOT(1SCRT40).NOT(1SCRT47) THN
    LOD <6> 1SCRTCH24 ; LOAD SCRATCHWORD WITH COUNT FOR 1.2 SECONDS
    TRUE=1SCRT40
    RUN<8>
  ELS
    IFT NOT(CNDTMA8).1SCRT40 THN ; MAX LOOP INPUT TIMER TERMINATED
      FALSE=1SCRT40
      TRUE=1SCRT47
    END
  END
ELS
  FALSE:=1SCRT40
  *=1SCRT47
END

; Decrement until 0 to give 1.2 second period
IFT 1SCRTST24 GRT <0> THN
  DEC 1SCRTCH24
END

; SB30 Output for 1.2 sec's minimum or up to time SB3 input is active
NOT(SB4+(1SCRTST24 GRT <0>))=SB40

;-----
; F1 and EP being received
;-----

; Scratch bits used
;
; 1SCRT1 - Set when an opposing F bit is received, which causes max timer to start
; It is reset once one of the opposing stages become active
; 1SCRT2 - Holds prevent while no opposing F bit.
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
;
; 1SCRT3 - Set when all stages except stage 1 to be prevented
;
; 1SCRT4 - Set if F2 bit received while holding stage 1 due to bus request
; 1SCRT5 - Set if F3 bit received while holding stage 1 due to bus request
; 1SCRT6 - Set if F4 bit received while holding stage 1 due to bus request
; 1SCRT8 - Set if F5 bit received while holding stage 1 due to bus request
;
; 1SCRT7 - Set if SB0 Bus active timer terminates
; 1SCRT37 - Set if SB3 Bus active timer terminates
;
; ROUGH0 - Forces modes to be disabled if opposing F bit received whilst under Bus control

; Prevent all stage except current one while in stage 1 with bus extension timer
; active (PIR 1,3) and the maximum timer (PIR 10) is still active or has not started
;
STAGE1.( (CNDTMA1.((F2.(DX+LCPHC+UCPHC)))+(F3.(DX+LCPHE+LCPHF))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)) ))+ $
      (CNDTMA3.((F3.(DX+LCPHE+LCPHF))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)) )). (CNDTMA10+1SCRT2)=1SCRT3

; Restart the extension timer while input is active
IFT STAGE1.(MODE0 EQL<6>).EP.1SCRT0 THN
  RUN<1>
END
; Restart the extension timer while input is active
IFT STAGE1.(MODE0 EQL<6>).EP.1SCRT10 THN
  RUN<3>
END

; Start the maximum timer when opposing F bit is recieved
IFT STAGE1.NOT(1SCRT1) THN
  ; any opposing f bits ?

  IFT ((NOT F1).((CNDTMA1.((F2.(DX+LCPHC+UCPHC)))+(F3.(DX+LCPHE+LCPHF))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))))+ $
      (CNDTMA3.((F3.(DX+LCPHE+LCPHF))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))) ) THN
    RUN<10>          ; Start the maximum timer
    TRUE=ROUGH7     ; Flag to stop controller going to VA for 200ms when Bus Max timer starts
    TRUE=1SCRT1
    FALSE=1SCRT2
  ELS
    TRUE=1SCRT2
  END
END

; Store in flag if an opposing F bit has been received whilst the
; Bus detectors are active. Store first missed Force Bit only.
STAGE1.NOT(F1).(F2.(DX+LCPHC+UCPHC)).CNDTMA1.(NOT(1SCRT5+1SCRT6))=+1SCRT4
STAGE1.NOT(F1).(F3.(DX+LCPHE+LCPHF)).(CNDTMA1+CNDTMA3).(NOT(1SCRT4+1SCRT6))=+1SCRT5
STAGE1.NOT(F1).(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHK)).(CNDTMA1+CNDTMA3).(NOT(1SCRT4+1SCRT5))=+1SCRT6

; clear opposing 'F' bit flag once target stages have been reached

; Stage 2 (F2) flag
NOT(NXTSTG0 EQL<2>):=.1SCRT4
  *=.1SCRT1
; Stage 3 (F3) flag
NOT(NXTSTG0 EQL<3>):=.1SCRT5
  *=.1SCRT1
; Stage 4 (F4) flag
NOT(NXTSTG0 EQL<4>):=.1SCRT6
  *=.1SCRT1
;
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
;if an opposing F bit was received while under bus control
;then force a drop to VA mode until opposing stages have been
;serviced

(1SCRT4+1SCRT5+1SCRT6).NOT((CNDTMA1+CNDTMA3).(CNDTMA10+ROUGH7)): = ROUGH0
                                                    NOT(*)=.F1
FALSE = ROUGH7

; If an opposing 'F' bit was received then demand stage
; associated with F bit which was ignored

1SCRT4.NOT(CNDTMA1.CNDTMA10)=+LCST2
1SCRT5.NOT((CNDTMA1+CNDTMA3).CNDTMA10)=+LCST3
1SCRT6.NOT((CNDTMA1+CNDTMA3).CNDTMA10)=+LCST4

;-----
; F2 and EP being received
;-----
;
; Scratch bits used
;
; 1SCRT11 - Set when an opposing F bit is received, which causes max timer to start
;           It is reset once one of the opposing stages become active
; 1SCRT12 - Holds prevent while no opposing F bit.
;
; 1SCRT13 - Set when all stages except stage 2 to be prevented
;
; 1SCRT14 - Set if F3 bit received while holding stage 2 due to bus request
; 1SCRT15 - Set if F4 bit received while holding stage 2 due to bus request
; 1SCRT16 - Set if F5 bit received while holding stage 2 due to bus request
;
; 1SCRT7 - Set if SB0 Bus active timer terminates
;
; ROUGH1 - Forces modes to be disabled if opposing F bit received whilst under Bus control

; Prevent all stage except current one while in stage 2 with bus extension timer
; active (PIR 3 OR 5) and the maximum timer (PIR 11) is still active or has not started
;
STAGE2.((CNDTMA3.((F3.(DX+LCPHE+LCPHF))+F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))+ $
(CNDTMA5.(F1+(F3.(DX+LCPHE+LCPHF))+F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))).(CNDTMA11+1SCRT12)=1SCRT13

; Restart the extension timer while input is active SB1
IFT STAGE2.(MODE0 EQL<6>).EP.1SCRT10 THN
  RUN<3>
END

; Restart the extension timer while input is active SB2
IFT STAGE2.(MODE0 EQL<6>).EP.1SCRT20 THN
  RUN<5>
END

; Start the maximum timer when opposing F bit is recieved

IFT STAGE2.NOT(1SCRT11) THN
; any opposing f bits ?
IFT ((NOT F2).((CNDTMA3.((F3.(DX+LCPHE+LCPHF))+F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))+ $
(CNDTMA5.(F1+(F3.(DX+LCPHE+LCPHF))+F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ))))) THN
  RUN<11>           ; Start the maximum timer
  TRUE = ROUGH8     ; Flag to stop controller going to VA for 200mS when Bus Max timer starts
  TRUE=1SCRT11
  FALSE=1SCRT12
ELS
  TRUE=1SCRT12
END
END
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
; Store in flag if an opposing F bit has been received whilst the  
; Bus detectors are active. Store first missed Force Bit only.  
  
STAGE2.NOT(F2).(F1).CNDTMA5.(NOT(1SCRT15+1SCRT16))=+1SCRT14  
STAGE2.NOT(F2).(F3.(DX+LCPHC+UCPHC)).(CNDTMA3+CNDTMA5).(NOT(1SCRT14+1SCRT16))=+1SCRT15  
STAGE2.NOT(F2).(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHK)).(CNDTMA3+CNDTMA5).(NOT(1SCRT14+1SCRT15))=+1SCRT16  
  
; clear opposing 'F' bit flag once target stages have been reached  
  
NOT(NXTSTG0 EQL<1>):=.1SCRT14  
          *=.1SCRT11  
NOT(NXTSTG0 EQL<3>):=.1SCRT15  
          *=.1SCRT11  
NOT(NXTSTG0 EQL<4>):=.1SCRT16  
          *=.1SCRT11  
  
;if an opposing F bit was received while under bus control  
;then force a drop to VA mode until opposing stages have been  
;serviced  
  
(1SCRT14+1SCRT15+1SCRT16).NOT((CNDTMA3+CNDTMA5).(CNDTMA11+ROUGH8)): = ROUGH1  
          NOT(*)=.F2  
  
FALSE = ROUGH8  
  
; If an opposing 'F' bit was received then demand stage  
; associated with F bit which was ignored  
  
1SCRT14.NOT(CNDTMA5.CNDTMA11)=+LCST1  
1SCRT15.NOT((CNDTMA3+CNDTMA5).CNDTMA11)=+LCST3  
1SCRT16.NOT((CNDTMA3+CNDTMA5).CNDTMA11)=+LCST4  
  
;-----  
; F3 and EP being received  
;-----  
;  
; Scratch bits used  
;  
; 1SCRT21 - Set when an opposing F bit is received, which causes max timer to start  
; It is reset once one of the opposing stages become active  
; 1SCRT22 - Holds prevent while no opposing F bit.  
;  
; 1SCRT23 - Set when all stages except stage 3 to be prevented  
;  
; 1SCRT24 - Set if F1 bit received while holding stage 3 due to bus request  
; 1SCRT25 - Set if F2 bit received while holding stage 3 due to bus request  
; 1SCRT26 - Set if F5 bit received while holding stage 3 due to bus request  
;  
; 1SCRT27 - Set if SB2 Bus active timer terminates  
; 1SCRT47 - Set if SB4 Bus active timer terminates  
;  
; ROUGH2 - Forces modes to be disabled if opposing F bit received whilst under Bus control  
  
; Prevent all stage except current one while in stage 3 with bus extension timer  
; active (PIR 7 OR 9) and the maximum timer (PIR 12) is still active or has not started  
;  
  
STAGE3.((CNDTMA7+CNDTMA9).(F1+(F2.(DX+LCPHC+UCPHC))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))).$  
          (CNDTMA12+1SCRT22)=1SCRT23  
  
; Restart the extension timer while input is active SB3  
IFT STAGE3.(MODE0 EQL<6>).EP.1SCRT30 THN  
  RUN<7>
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
END
; Restart the extension timer while input is active SB4
IFT STAGE3.(MODE0 EQL<6>).EP.1SCRT40 THN
  RUN<9>
END

; Start the maximum timer when opposing F bit is recieved

IFT STAGE3.NOT(1SCRT21) THN
; any opposing f bits ?
IFT ((NOT F3).(CNDTMA7+CNDTMA9).(F1+(F2.(DX+LCPHC+UCPHC))+(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHJ)))) THN
  RUN<12> ; Start the maximum timer
  TRUE = ROUGH9 ; Flag to stop controller going to VA for 200ms when Bus Max timer starts
  TRUE=1SCRT21
  FALSE=1SCRT22
ELS
  TRUE=1SCRT22
END
END

; Store in flag if an opposing F bit has been received whilst the
; Bus detectors are active. Store first missed Force Bit only.

STAGE3.NOT(F3).(F1).(CNDTMA7+CNDTMA9).(NOT(1SCRT25+1SCRT26))=+1SCRT24
STAGE3.NOT(F3).(F2.(DX+LCPHC+UCPHC)).(CNDTMA7+CNDTMA9).(NOT(1SCRT24+1SCRT26))=+1SCRT25
STAGE3.NOT(F3).(F4.(DX+LCPHG+LCPHH+LCPHI+LCPHJ+LCPHK)).(CNDTMA7+CNDTMA9).(NOT(1SCRT24+1SCRT25))=+1SCRT26

; clear opposing 'F' bit flag once target stages have been reached

NOT(NXTSTG0 EQL<1>):=.1SCRT24
  *=.1SCRT21
NOT(NXTSTG0 EQL<2>):=.1SCRT25
  *=.1SCRT21
NOT(NXTSTG0 EQL<4>):=.1SCRT26
  *=.1SCRT21

;if an opposing F bit was received while under bus control
;then force a drop to VA mode until opposing stages have been
;serviced

(1SCRT24+1SCRT25+1SCRT26).NOT((CNDTMA7+CNDTMA9).(CNDTMA12+ROUGH9)): = ROUGH2
  NOT(*)=.F3
FALSE = ROUGH9

; If an opposing 'F' bit was received then demand stage
; associated with F bit which was ignored

1SCRT24.NOT((CNDTMA7+CNDTMA9).CNDTMA12)=+LCST1
1SCRT25.NOT((CNDTMA7+CNDTMA9).CNDTMA12)=+LCST2
1SCRT26.NOT((CNDTMA7+CNDTMA9).CNDTMA12)=+LCST4

;=====
; Common conditioning for all priority input =
;=====

; Send Bus active while max timers are running
NOT( ((CNDTMA1+CNDTMA3).CNDTMA10)+((CNDTMA3+CNDTMA5).CNDTMA11)+((CNDTMA7+CNDTMA9).CNDTMA12) )=EC

; INHIBIT MODES WHILE USING BUS PRIORITY
; -----
```

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning

```
(ROUGH0+ROUGH1+ROUGH2)::::=MNCONT  
  *=MSCONT  
  *=FTCONT  
  *=UTCNT  
  *=CLCONT
```

```
NOT(ROUGH0+ROUGH1+ROUGH2):::::=-.EXOA ;LIFT VA EXTENSION UPON BUS PRIORITY EXTENSIONS.
```

```
  *=-.EXCA  
  *=-.EXOB  
  *=-.EXCB  
  *=-.EXOC  
  *=-.EXCC  
  *=-.EXOE  
  *=-.EXCE  
  *=-.EXOF  
  *=-.EXCF
```

```
; =====
```

```
; FLAGS TO PREVENT MOVES EXCEPT TO 'REMEMBERED STAGE'
```

```
; -----
```

```
          1SCRT15+1SCRT16          +1SCRT25+1SCRT26 = 1SCRT61 ; Flag to Prevent Stage 1  
1SCRT5+1SCRT6          +1SCRT24          +1SCRT26 = 1SCRT62 ; Flag to Prevent Stage 2  
1SCRT4          +1SCRT6+1SCRT14          +1SCRT16          = 1SCRT63 ; Flag to Prevent Stage 3  
1SCRT4+1SCRT5          +1SCRT14+1SCRT15          +1SCRT24+1SCRT25          = 1SCRT64 ; Flag to Prevent Stage 4  
1SCRT4+1SCRT5+1SCRT6+1SCRT14+1SCRT15+1SCRT16+1SCRT24+1SCRT25+1SCRT26 = 1SCRT65 ; Flag to Prevent Stage 5  
1SCRT4+1SCRT5+1SCRT6+1SCRT14+1SCRT15+1SCRT16+1SCRT24+1SCRT25+1SCRT26 = 1SCRT66 ; Flag to Prevent Stage 6  
1SCRT4+1SCRT5+1SCRT6+1SCRT14+1SCRT15+1SCRT16+1SCRT24+1SCRT25+1SCRT26 = 1SCRT67 ; Flag to Prevent Stage 7  
1SCRT4+1SCRT5+1SCRT6+1SCRT14+1SCRT15+1SCRT16+1SCRT24+1SCRT25+1SCRT26 = 1SCRT68 ; Flag to Prevent Stage 8
```

```
; STAGE PREVENTS DUE TO BUS MAX TIMER RUNNING AND DUE TO 'REMEMBERED STAGES'
```

```
; -----
```

```
1SCRT13+1SCRT23+1SCRT61 = PRVST1  
1SCRT3          +1SCRT23+1SCRT62 = PRVST2  
1SCRT3+1SCRT13+          1SCRT63 = PRVST3  
1SCRT3+1SCRT13+1SCRT23+1SCRT64+LMP2RED0 = PRVST4  
1SCRT3+1SCRT13+1SCRT23+1SCRT65+NOT(MODE0 EQL<6>) = PRVST5 ;STAGES 5, 6 AND 7 UTC MODE ONLY  
1SCRT3+1SCRT13+1SCRT23+1SCRT66+NOT(MODE0 EQL<6>) = PRVST6  
1SCRT3+1SCRT13+1SCRT23+1SCRT67+NOT(MODE0 EQL<6>) = PRVST7  
1SCRT3+1SCRT13+1SCRT23+1SCRT68 = PRVST8
```

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Conditioning Timers

Special Conditioning Timers

Timers

0-31
 32-63
 64-95

No	Value	Min	Max	200ms	Description	No	Value	Min	Max	200ms	Description
0	8	0	255	<input type="checkbox"/>	BUS UTC SB0 DFM TIMER	16		0	255	<input type="checkbox"/>	
1	6	0	255	<input type="checkbox"/>	BUS UTC SB0 EXT TIMER	17		0	255	<input type="checkbox"/>	
2	8	0	255	<input type="checkbox"/>	BUS UTC SB1 DFM TIMER	18		0	255	<input type="checkbox"/>	
3	5	0	255	<input type="checkbox"/>	BUS UTC SB1 EXT TIMER	19		0	255	<input type="checkbox"/>	
4	8	0	255	<input type="checkbox"/>	BUS UTC SB2 DFM TIMER	20		0	255	<input type="checkbox"/>	
5	5	0	255	<input type="checkbox"/>	BUS UTC SB2 EXT TIMER	21		0	255	<input type="checkbox"/>	
6	8	0	255	<input type="checkbox"/>	BUS UTC SB3 DFM TIMER	22		0	255	<input type="checkbox"/>	
7	5	0	255	<input type="checkbox"/>	BUS UTC SB3 EXT TIMER	23		0	255	<input type="checkbox"/>	
8	8	0	255	<input type="checkbox"/>	BUS UTC SB4 DFM TIMER	24		0	255	<input type="checkbox"/>	
9	10	0	255	<input type="checkbox"/>	BUS UTC SB4 EXT TIMER	25		0	255	<input type="checkbox"/>	
10	15	0	255	<input type="checkbox"/>	BUS UTC SBM0 TIMER	26		0	255	<input type="checkbox"/>	
11	15	0	255	<input type="checkbox"/>	BUS UTC SBM1 TIMER	27		0	255	<input type="checkbox"/>	
12	15	0	255	<input type="checkbox"/>	BUS UTC SBM2 TIMER	28		0	255	<input type="checkbox"/>	
13		0	255	<input type="checkbox"/>		29		0	255	<input type="checkbox"/>	
14		0	255	<input type="checkbox"/>		30		0	255	<input type="checkbox"/>	
15		0	255	<input type="checkbox"/>		31		0	255	<input type="checkbox"/>	

Works Order : 853808149Y

EM Number : 66036

Engineer : [REDACTED]

Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Fault Log Flags

Fault Log Flags

Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag
0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	48	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	49	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	51	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	36	<input checked="" type="checkbox"/>	<input type="checkbox"/>	52	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	37	<input checked="" type="checkbox"/>	<input type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	38	<input type="checkbox"/>	<input type="checkbox"/>	54	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	39	<input type="checkbox"/>	<input type="checkbox"/>	55	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	56	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	41	<input checked="" type="checkbox"/>	<input type="checkbox"/>	57	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	42	<input checked="" type="checkbox"/>	<input type="checkbox"/>	58	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	59	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	44	<input checked="" type="checkbox"/>	<input type="checkbox"/>	60	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29	<input checked="" type="checkbox"/>	<input type="checkbox"/>	45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	61	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	46	<input checked="" type="checkbox"/>	<input type="checkbox"/>	62	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31	<input type="checkbox"/>	<input type="checkbox"/>	47	<input checked="" type="checkbox"/>	<input type="checkbox"/>	63	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Note:

Cond Flag -
If a fault occurs which sets

Act Flag -
If a fault occurs which sets ε

switched OFF and secondly a

Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

The controller has been reconfigured to TFL Spec issue 14

The items list is provided for reference purposes and only items marked with ** will be supplied by Poole.

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

66036

Board	Position	Skt	Port	Type I or O	Line	Cable	Block
CPU	A	X3I	0	I	00 - 07	101	1TBG
CPU	A	X3I	1	I	08 - 15		1TBH
CPU	A	X3O	11	O	88 - 91	105	1TBX
IO1	B	B	2	I	16 - 23	103	1TBJ
IO1	B	E	4	O	32 - 39		1TBK
IO1	B	C	3	I	24 - 31	103	1TBL
IO1	B	D	5	O	40 - 47		1TBM
IO2	C	B	6	I	48 - 55	103	1TBN
IO2	C	E	8	O	64 - 71		1TBP
IO2	C	C	7	I	56 - 63	103	1TBR
IO2	C	D	9	O	72 - 79		1TBS
OTU	D						

The socket X3 on the CPU pcb is the double stacked one
X3I = Inner (nearest the board)
X3O = Outer

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

ST800 CONTROLLER ITEMS LIST SHEET 1 (*I*L*)

ITEM	DRAWING NUMBER	DESCRIPTION	QTY	TOT	REMARKS	Note 1:
1						Please refer to special instruction pages for additional information on items marked with an '*'.
2	667/1/27000/003	Cabinet 8 Phase wired 8 Phase				
3	667/1/27000/002	Cabinet 24 Phase wired 32 Phase				
4	667/1/27001/001	Rack 8 Phase wired 16 Phase				
5	667/1/27001/002	Rack 24 Phase wired 32 Phase				
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23	667/1/27072/001	Cableform 8 Phase (long)				
24	667/1/27002/000	Lamp Switch Kit 8 Phase		1		
25	667/1/27003/000	I/O Kit	**1	2		
26	667/1/27005/000	SDE Facility Kit				
27	667/1/27004/000	Integral OTU Kit	**1			
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39	667/1/16274/027	Configuration Eprom (Issue 9. 0)		1		
40						

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

ST800 CONTROLLER ITEMS LIST SHEET 2 (*I*L*)

ITEM	DRAWING NUMBER	DESCRIPTION	QTY	TOT	REMARKS
41					
42	667/1/27056/001	Manual Panel Assy (Intersection Cont)			
43	667/1/27056/010	Manual Panel Assy (Sigs on/off)			
44	667/1/27056/000	Manual Panel Blanking Kit			
45					
46					
47					Note 2:
48					Ancillary Processor PLD
49					Variants
50					101 OTU & LMU
51					102 OTU Only
52	667/7/25171/000	Current Transformer			103 LMU Only
53					104 OTU & LMU + Up/Download
54					105 OUT Only + Up/DownLoad
55	667/1/27002/002	Lamp Switch Kit 8 Phase CLS			NB Controller Has built in LMU
56	667/1/27002/102	Lamp Switch Kit 8 Phase Export CLS			So LMU on Ancillary Processor
57					Not required included for info
58	667/1/27000/800	CLS Mod Kit (firmware only)			only.
59					
60					Note 3:
61	667/1/27000/101	Cabinet Export 8 Phase wired 16 Phase			Fit Current Transformer
62	667/1/27000/102	Cabinet Export 24 Phase wired 32 Phase			starting from position
63	667/1/27001/101	Rack Export 8 Phase wired 16 Phase			TLB/z/16 on the first phase
64	667/1/27001/102	Rack Export 24 Phase wired 32 Phase			driver PCB. if more than 3
65	667/1/27002/100	Export Lamp Switch Kit			sensors are called up fit the
66	667/1/27084/001	Dimming Assembly (1.5KVA) (Fit Std UK)			4th sensor to the second
67	667/1/27084/002	Dimming Assembly (2.0KVA)			Phases driver PCB, and so on
68	667/1/27084/003	Dimming Assembly (3.0KVA)			until all sensors have been
69	667/1/27130/000	30A Controller Kit			used up.
70					TLB/b/14 - 1st sensor terminal
71	667/1/27001/310	ST800 SE Export Rack up to 8 Phase			TLB/z/16 - 2nd sensor terminal
72	667/1/27223/003	ST800 SE 8 Phase Driver No LMU			TLB/z/14 - 3rd sensor terminal
73	667/1/27223/403	ST800 SE 4 Phase Driver No LMU			TLB/z/12 - 4th sensor terminal
74					
75					
76					
77	667/1/27000/301	ST800 P In a Cabinet 4Ph 1 Stream PED			TLB/z/12 - 4th sensor terminal
78	667/1/27012/000	PED 2nd Stream Kit for ST800 P			
79	667/1/27001/300	ST800 P Rack Only 4Ph 1 Stream PED			

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

DETECTOR EQUIPMENT SHEET (*I*L*)

Item	Drawing Number	DESCRIPTION	QTY	TOT	REMARKS
1	667/1/20690/000	Detector 11 inch detector rack kit			
2	667/1/20690/001	Detector 19 inch detector rack kit			NOTE: A RACK SHOULD ALREADY BE FITTED.
3	667/1/17705/011	Detector Beehive kit (excl Pedestal)			
4	667/2/01999/000	Pedestal (Metric) D Detr. Housing			
5	667/1/17212/000	Detector L bracket kit			
6	667/1/22447/000	Detector Mounting Kit E.F.U. (T500)			
7	667/1/22470/000	Detector Frame Assy (T500)			
8	667/1/15990/002	Detector double backplane kit			
9	667/1/15990/003	Detector single backplane kit	**2		
10	667/1/15990/004	Detector logic backplane kit			
11					
12	667/1/27663/000	Siemens STR4 (4 Channel) loop detector			
13					
14					
15	667/1/03887/000	Detector Cableform (1 per 2 B/Planes)			
16	667/1/15854/001	Detector Cable termination kit	**2		
17					
18	667/1/15991/000	Mod Kit Regulator PSU 1.5A 21-38V			
19	667/1/15991/001	Mod Kit Regulator PSU 0.5A 21-48V			
20					
21					
22	667/7/20360/002	Microsense Detr. Board 2 Channel			Eng. to supply
23	667/7/20360/004	Microsense Detr. Board 4 Channel			Eng. to supply
24	667/7/20368/000	Microsense Rack 3Ux19"			Eng. to supply
25	667/7/20365/000	Microsense 20-Way Backplane (Std)			Eng. to supply
26	667/7/20366/000	Microsense 20-Way Logic Backplane			
27	667/7/20369/000	Microsense Card Frame Guides (Pr.)			Eng. to supply
28					
29	667/7/20361/002	Microsense 2 Channel U/D Logic			
30	667/7/20361/004	Microsense 4 Channel U/D Logic			
31	667/7/20362/000	Microsense Count Logic N,N+1,U/D & DFM			
32	667/7/20363/000	Microsense Queue Logic with DFM			Eng. to supply
33	667/7/20364/000	Microsense Bus Detector 2-Channel			Eng. to supply
34					
35					
36	667/7/20377/000	Microsense MIX 3-1-R-24 I/R detector			Nearside mounting
37	667/7/20377/001	Microsense MIX 3-2-R-24 I/R detector			Offside mounting
38	667/7/20378/000	Short fixing bracket			
39	667/7/20379/000	Sighting Hood for MIX detectors			Eng. to supply
40	667/7/20380/000	Handbook for MIX detectors			Eng. to supply

[Template - Detector items.txt issue 1.0]

Works Order : 853808149Y
EM Number : 66036
Engineer : XXXXXXXXXX
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Special Instructions

Configuration Complexity Number is 139

Works Order : 853808149Y
EM Number : 66036
Engineer :
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Call Cancel

Call Cancel

Unit No.	Input Name	Call Delay	Cancel Delay	Phase Demanded (Unlatched Demand)
0	CP	2	2	C
1		0	0	
2		0	0	
3		0	0	
4		0	0	
5		0	0	
6		0	0	
7		0	0	

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	0	0	I	AMVDP12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	1
<input type="radio"/>	1	1	I	BMVDP5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	2
<input type="radio"/>	2	2	I	EMVDP3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	3
<input type="radio"/>	3	3	I	FMVDP10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	4
<input type="radio"/>	4	4	I	CP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	5
<input type="radio"/>	5	5	I	PBIP2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	6
<input type="radio"/>	6	6	I	PBIP3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	7
<input type="radio"/>	7	7	I	PBJP4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	8

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	8	0	I	PBJP5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	1
<input type="radio"/>	9	1	I	PBKP7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	2
<input type="radio"/>	10	2	I	PBKP8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	3
<input type="radio"/>	11	3	I	PBGP9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	4
<input type="radio"/>	12	4	I	PBGP10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	5
<input type="radio"/>	13	5	I	PBHP11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	6
<input type="radio"/>	14	6	I	PBHP12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	7
<input type="radio"/>	15	7	I	SB0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	4	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	8

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	16	0	I	SB1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	4	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	1
<input type="radio"/>	17	1	I	SB2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	4	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	2
<input type="radio"/>	18	2	I	SB3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	4	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	3
<input type="radio"/>	19	3	I	SB4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Y	4	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	4
<input type="radio"/>	20	4	I	AIRD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	3	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	5
<input type="radio"/>	21	5	I	BIRD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	3	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	6
<input type="radio"/>	22	6	I	EIRD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	3	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	7
<input type="radio"/>	23	7	I	FIRD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	3	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBJ	8

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No
<input type="radio"/>	24	0	I	AR1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	3	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1TBL	1
<input type="radio"/>	25	1	I	PR0IN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N		0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	2
<input type="radio"/>	26	2	I	PR1IN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N		0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	3
<input type="radio"/>	27	3	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	4
<input type="radio"/>	28	4	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	5
<input type="radio"/>	29	5	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	6
<input type="radio"/>	30	6	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	7
<input type="radio"/>	31	7	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBL	8

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	48	0	I	SD0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	1
<input type="radio"/>	49	1	I	SD1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	2
<input type="radio"/>	50	2	I	SD2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	3
<input type="radio"/>	51	3	I	SD3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	4
<input type="radio"/>	52	4	I	SD4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	5
<input type="radio"/>	53	5	I	SD5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	6
<input type="radio"/>	54	6	I	SD6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	7
<input type="radio"/>	55	7	I	SD7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	<input type="text"/>	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	8

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Aspect Drives

Aspect Drives

A-L
 M-X
 Y-F2

Phase Driver Card 1			
	Used For	Term Block	Term No
A - Red	Phase	1TBA	1
A - Amber	Phase	1TBA	2
A - Green	Phase	1TBA	3
B - Red	Phase	1TBA	4
B - Amber	Phase	1TBA	5
B - Green	Phase	1TBA	6
C - Red	Phase	1TBA	7
C - Amber	Phase	1TBA	8
C - Green	Phase	1TBA	9
D - Red	Phase	1TBA	10
D - Amber	Phase	1TBA	11
D - Green	Phase	1TBA	12

Phase Driver Card 1			
	Used For	Term Block	Term No
E - Red	Phase	1TBB	1
E - Amber	Phase	1TBB	2
E - Green	Phase	1TBB	3
F - Red	Phase	1TBB	4
F - Amber	Phase	1TBB	5
F - Green	Phase	1TBB	6
G - Red	Phase	1TBB	7
G - Amber	Phase	1TBB	8
G - Green	Phase	1TBB	9
H - Red	Phase	1TBB	10
H - Amber	Phase	1TBB	11
H - Green	Phase	1TBB	12

Phase Driver Card 2			
	Used For	Term Block	Term No
I - Red	Phase	1TBC	1
I - Amber	Phase	1TBC	2
I - Green	Phase	1TBC	3
J - Red	Phase	1TBC	4
J - Amber	Phase	1TBC	5
J - Green	Phase	1TBC	6
K - Red	Phase	1TBC	7
K - Amber	Phase	1TBC	8
K - Green	Phase	1TBC	9
L - Red			
L - Amber			
L - Green			

Works Order : 853808149Y
 EM Number : 66036
 Engineer : XXXXXXXXXX
 Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

I/O - Group DFM Timings

I/O - Group DFM Timings

Input Group	State	SET A	SET B	SET C	SET D
Group 0	Active (Mins)	30	30	30	30
	InActive (Hrs)	9	9	9	9
Group 1	Active (Mins)	30	30	30	30
	InActive (Hrs)	96	96	96	96
Group 2	Active (Mins)	30	30	30	30
	InActive (Hrs)	254	254	254	254
Group 3	Active (Mins)				
	InActive (Hrs)				
Group 4	Active (Mins)	3	3	3	3
	InActive (Hrs)	168	168	168	168
Group 5	Active (Mins)				
	InActive (Hrs)				
Group 6	Active (Mins)				
	InActive (Hrs)				
Group 7	Active (Mins)				
	InActive (Hrs)				

Note - 255 or blank disables DFM monitoring of that state (active or inactive) during that timeset (/

Handset Limiting Values

State	Min	Max
Active (Mins)	0	255
InActive (Hrs)	0	255

Index

- 1 General Junction Data
 - 1.1 Administration
 - 1.2 Streams, Stages, Phases Control
 - 1.3 Facilities/Modes Enabled and Mode Priority Levels
 - 1.4 Phases in Stages
 - 1.5 Stages in Streams
- 2 Phases
 - 2.1 Phase Type and Conditions
 - 2.2 Opposing and Conflicting Phases
 - 2.3 Timings
 - 2.3.1 Phase Minimums, Maximums, Extensions, Ped. Leaving periods
 - 2.3.2 Phase Intergreen Times
 - 2.3.3 Handset Intergreen Limits
 - 2.3.4 Phase Timing Handset Ranges
 - 2.4 Phase - VA Demand and Extend Definitions
 - 2.5 Phase Internal/Revertive Demands
 - 2.6 Pelicans, Puffins and Toucans
 - 2.6.1 Phase - OnCrossing and Kerbside Detector Definitions (No configuration data to print)
 - 2.6.2 Stream - Pelican/Puffin/Toucan Times
 - 2.6.3 Phase - Pelican Puffin and Toucan Times
 - 2.6.4 IO and Link - Pelican/Puffin/Toucan Times
- 3 Streams and Stages
 - 3.1 Stage - Prohibited, Alternative, Ignored Moves
 - 3.2 Stage Internal Demands / Ped. Window Times (No configuration data to print)
 - 3.3 Phase delays
- 4 Modes and Facilites - Detailed
 - 4.1 Fixed Time
 - 4.2 Urban Traffic Control
 - 4.2.1 UTC General Data
 - 4.2.2 UTC Control and Reply Data Format
 - 4.2.3 UTC Data Definitions
 - 4.2.3.1 UTC Phase Demand and Extend Definitions (No configuration data to print)
 - 4.2.3.2 UTC Stage and Modes Data Definitions
 - 4.2.3.3 UTC Demand Dependent Forces
 - 4.2.4 Serial MOVA
 - 4.3 Master Time Clock
 - 4.3.1 MTC - Time Switch Parameters
 - 4.3.2 MTC - Time Switch Parameters Array
 - 4.3.3 Master Time Clock - Day Type
 - 4.3.4 Master Time Clock - Time Table
 - 4.4 Integral Lamp Monitoring
 - 4.4.1 LMU - General
 - 4.4.2 LMU - Sensors
 - 4.4.3 RLM Additional Intergreens
 - 4.4.4 RLM Phase Inhibits
 - 4.5 Manual
 - 4.5.1 Manual Panel
 - 4.5.2 Manual Mode - Optional Phases Appearance (No configuration data to print)
 - 4.6 Extend All Red
 - 4.6.1 Extend All Red - General
 - 4.6.2 Extend All Red - Stage To Stage Moves
 - 4.6.3 Extend All Red - Independent Intergreens
- 5 Conditioning Data
 - 5.1 Special Conditioning
 - 5.2 Special Conditioning Timers
 - 5.3 Fault Log Flags
- 6 Special Instructions
- 7 I/O
 - 7.1 Call Cancel
 - 7.2 Input/Output
 - 7.3 Aspect Drives
 - 7.4 I/O - Group DFM Timings

Works Order : 853808149Y
EM Number : 66036
Engineer : [REDACTED]
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Issue History

NAME [REDACTED]
REASON Spec Issue 12 Amendments
ISSUE 9.0.42
DATE 18/01/13 at 08:38:07
DONGLE 971588

NAME [REDACTED]
REASON Issue 11 TfL Spec
ISSUE 8.0.41
DATE 19/12/12 at 06:19:40
DONGLE 982894

NAME [REDACTED]
REASON Up Issue
ISSUE 7.0.40
DATE 05/01/12 at 11:49:26
DONGLE 988600

NAME [REDACTED]
REASON Review edit
ISSUE 6.3.39
DATE 05/01/12 at 11:21:34
DONGLE 988600

NAME [REDACTED]
REASON continue
ISSUE 6.3.38
DATE 04/01/12 at 14:57:19
DONGLE 988600

NAME [REDACTED]
REASON continue
ISSUE 6.2.37
DATE 31/12/11 at 13:41:17
DONGLE -1053422152

NAME
REASON
ISSUE
DATE
DONGLE

NAME [REDACTED]
REASON continue
ISSUE 6.1.36
DATE 30/12/11 at 13:53:33
DONGLE -1053422152

Works Order : 853808149Y
EM Number : 66036
Engineer : [REDACTED]
Intersection : BARKING RD/GREEN ST/CENTRAL PARK RD TFL SITE 17/007

Issue History

NAME [REDACTED]
REASON continue
ISSUE 6.2.37
DATE 31/12/11 at 13:41:17
DONGLE -1053422152

NAME
REASON
ISSUE
DATE
DONGLE