

# MATC MINI CONTROLLER

## Quick Deployment Mini Controller

The mini controller's purpose is to serve as an immediate solution (easy to implement and fast to configure) when existing traffic controller is temporarily out of order. It is offered in 6 signal groups. The system has Vehicle Actuated and Multiplan Time parameter setting which is programmable using the MATC Mini Set software. The Mini Controller has a fully functional lamp failure and conflict monitoring system. It incorporates surge protection and can be supplied with automatic reclosing ELCB/ELR's.

MINI CONTROLLER	6GVA		
	6G	GIO	VDC
Fixed-time Multiplan Control	✓	✓	✓
VA Control	✗	✓	✓
No. of Signal Group	6		
Max. Timing Setting	16 x 10 x 7		
Max. Groups and Phases	6		
VDC and GIO compatibility	✗	✓	✓
Lamp Conflict Detection	✓	✓	✓
Lamp Failure Detection	✓	✓	✓
MATC Mini Set Software	✓	✓	✓
Lamp current Monitoring	✓	✓	✓
Wireless sensor (WVD/ VVD)	✗	✓	✗
Inductive Loop sensor	✗	✗	✓



Mini Controller 6G



Mini Controller 6GVA GIO



Mini Controller 6GVA VDC

## Key Features

- ✓ Cost efficient
- ✓ Easy and fast to implement and install
- ✓ Fixed time multiplan based control
- ✓ Compliance with lamp conflict detection
- ✓ Immediate and temporary solution for quick maintenance.
- ✓ Configurable using a friendly user interface software (MATC Mini Set)

**QUALITY POLICY**

It is our commitment to provide the service with the highest standard of safety, quality and reliability that meet the specified requirements and expectations.

**Operational Specifications**

<b>MICROPROCESSOR</b>	32-bit microprocessor chip
<b>ON BOARD AND EXTERNAL MEMORY</b>	64 kbyte with with backup battery
<b>NO. OF PEDESTRIAN PUSH BUTTON INPUTS</b>	4
<b>LOGGING CAPACITY</b>	Fault event storage capacity: average 10 events/ day Data storage capacity : 7 years (max)
<b>LOCAL INTELLIGENCE</b>	Equipped with detector input, flashing amber & self-checking capabilities
<b>LAMP CONFLICT/ MISSING</b>	Configurable to trigger amber flashing or traffic system shutdown
<b>PROGRAMMING/ CONFIGURATION</b>	Portable programming unit (PPU) ie. laptop, Android/ iOs devices
<b>PPU CONNECTION INTERFACE</b>	USB (6G)
<b>DATABASE BACKUP/ EVENT LOG</b>	The controller's log data can be backed up to PPU from flash memory
<b>NO. OF DIGITAL COUNTDOWNS</b>	8 (maximum)



**Mini Controller 6G  
(Rear view)**




**M&E Specifications**

<b>CABINET FORMAT</b>	Front accessible
<b>ACCESS</b>	Screw type
<b>DIMENSION</b>	279mm x 254mm x 104mm
<b>APPROX. WEIGHT</b>	3.5 kg
<b>MAIN CARDS ENCLOSURE</b>	Mounted in enclosure
<b>POWER CONSUMPTION</b>	< 5 W (controller only)
<b>OPERATING TEMPERATURE</b>	-10 C to 75 C
<b>HUMIDITY TOLERANCE</b>	85 % Non-condensing
<b>ENVIRONMENTAL STANDARD</b>	EN 60068-2-14 Compliant
<b>EMC STANDARD</b>	EN 50293 Compliant
<b>CABINET MATERIAL</b>	1.5 mm thick epoxy-coated oven baked (white) galvanised iron (GI)

**DISCLAIMER**

All information provided herein is for information purposes only and does not constitute a legal contract between PPK Technology and any person or entity unless otherwise specified. PPK Technology reserves the unconditional right to discontinue or make changes to product and product specifications without prior notice to improve the product's reliability, function or design.

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