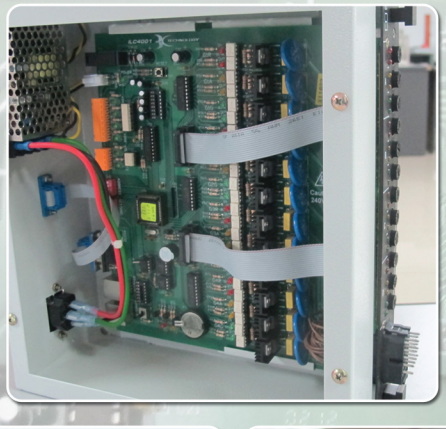
MATC MINI CONTROLLER

Quick Deployment 4 Group Controller

PPK Technology has introduced a MATC Mini/Temporary Traffic Controller to replace faulty existing traffic controllers on site. The purpose of this controller is to serve as an immediate solution which is easy to implement and configure. The Mini Controller is a 4 signal group system which can accommodate up to 4 phases, maximum. The system has a Multiplan time parameter setting which is programmable using the Mini-MATC 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.

- **Key Features:**
  - Fixed time and Multiplan based control
  - 4 signal groups and 4 phase system programmable
  - Easy and fast to implement and install
  - Configurable using a friendly user interface software (Mini-MATC Set)
  - Cost efficient
  - Compliance with lamp conflict detection
  - Immediate and temporary solution for quick maintenance



- **Operational Specifications:**

Item	Specifications
No. of Signal Groups	4 (max)
Lamp monitoring	Each lamp output
No. of Pedestrian Push Button Inputs	4
No. of Timing Plans	(16 x 10 x 7) plans (max)
No. of traffic phases per timing plan	4 phases
Programming / Configuration	Portable programming unit (PPU) i.e. laptop or android/ios device
Local intelligence	Equipped with fixed time, flashing yellow and self checking capabilities
Logging Data and Events	Logs and stores data for any event occurring affecting controller functions
Database back up / Event Log	Controller log data can be backed up to PPU from flash memory or SD card

- **Mechanical and Electrical Specifications:**

Item	Specifications
Cabinet format	Front accessible
Dimensions in cm	27.9 x 25.4 x 10.4
Cabinet material	1.5 mm thick epoxy coated oven baked (white) galvanised iron (GI)
Access	Screw typed
Ventilation	Sealed
Weight	2.5 Kg
Main Cards Enclosure	Mounted in enclosure
Incoming voltage and frequency	230V, Vac ±10% at 50Hz
Power Consumption	40 Watt
UPS Compatibility	Needs separate cabinet
Operating Temperature	-10°C to 75°C
Humidity Tolerance	85% Non-condensing
Degree of Protection	IP33 compliant
Eelectromagnetic Compatibility Standard	BS EN 50293 : 2012 compliant
Mechanical Standard	IEC 255-21-1; IEC 255-21-2 compliant
Environmental Standard	IEC 60068-2-2; IEC 60068-2-3; IEC 60068-2-30 compliant

- **Controller System Specifications:**

Item	Specifications
Microprocessor	Intelligent Lamp Control (ILC) containing 8 bit microprocessor chip
On board and external memory	64 Kbyte with backup battery
Logging capacity	Fault / event storage capacity: 6 months Data storage capacity: 256Kb
PPU connection interface	RS-232
Lamp status monitoring	Fuse blown detection, green conflict detection, double lamp detection, lamp failure detection
Lamp conflict or lamp missing	Configurable to trigger amber or traffic system shutdown

PPK Technology products are available nationwide in Malaysia or overseas through selected agents. Products can be supplied, installed, configured and tested by PPK Technology or an approved contractor. For a complete list of products and services available and technical support staff, contact our office or visit our website.

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