



Power Control Monitoring Unit

RT-PCMU-G0



- 5 no's load real on and off status
- Total 9 no's of output controls
- 6 ways power distribution for 12vdc
- 3 phase ac voltage presence detection
- UPS battery Voltage Monitoring
- Ethernet Communication Controls

The Power control Monitoring Unit is an advanced device designed to remotely manage electrical and electronic systems. It provides real-time ON/OFF status updates for connected loads, ensuring efficient power management. Equipped with an inbuilt battery backup provision for the 12VDC system, this unit offers reliable power continuity and control capabilities, making it an essential tool for modern electrical maintenance and operations.

Applications

- e- Surveillance Applications
- Mobile Tower Management
- Retail Shops
- Banks/ATMs
- Automation Controls Projects
- Commercial Buildings

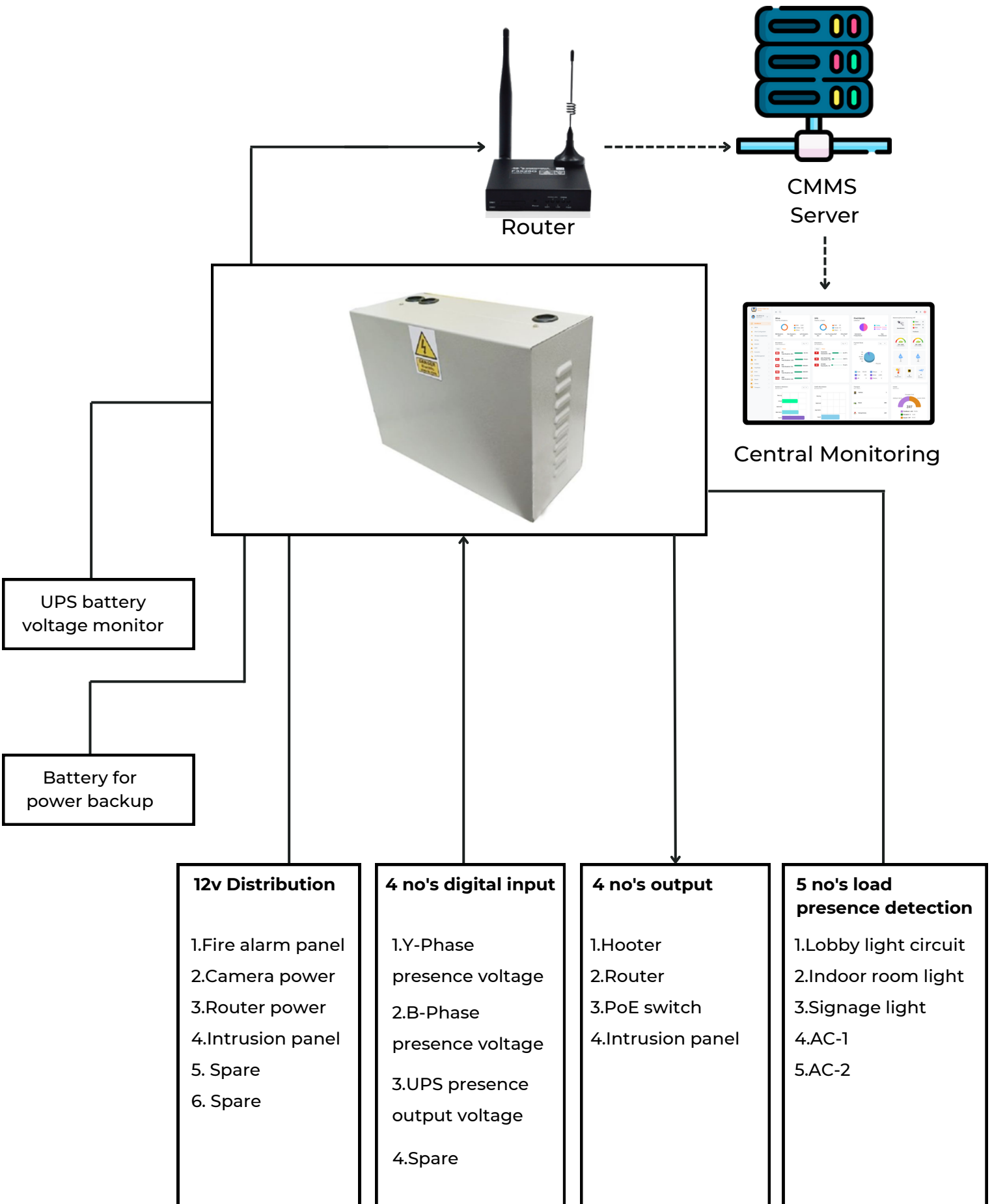
Product Specification

Wired Input	4 no's of Digital Input
Wired Output	2 nos' of 12VDC changeover contact, Rating 2A 2 no's of 12VDC NO contact , Rating 2A
Wired Output with Load Presence Detection	3no's of Range- 0.5A to 5A 2no's of Range - 5A to 30A
UPS Battery Voltage Monitor	0 -240VDC , $\pm$ 5%
Battery Backup Function	Charging Voltage: 13.5VDC, $\pm$ 5% Charging Current: 500 mA to 1A
Power Distribution	6 no's of 12.5VDC , $\pm$ 5%
Communication	Ethernet:100 Mbps-RJ45 Connector
RTC	Inbuilt Real Time clock
Power Output	12.5VDC,8A
Power Input	Input voltage: 230VAC,1A Operating voltage of Card – 12.5VDC , $\pm$ 10 %
Operating Condition	Temperature 10°C to 70°C Humidity : 20% to 80%
Mechanical	Materials: MS Size: W330 mm x H222 mm x D112 mm Weight: 3.5 Kg

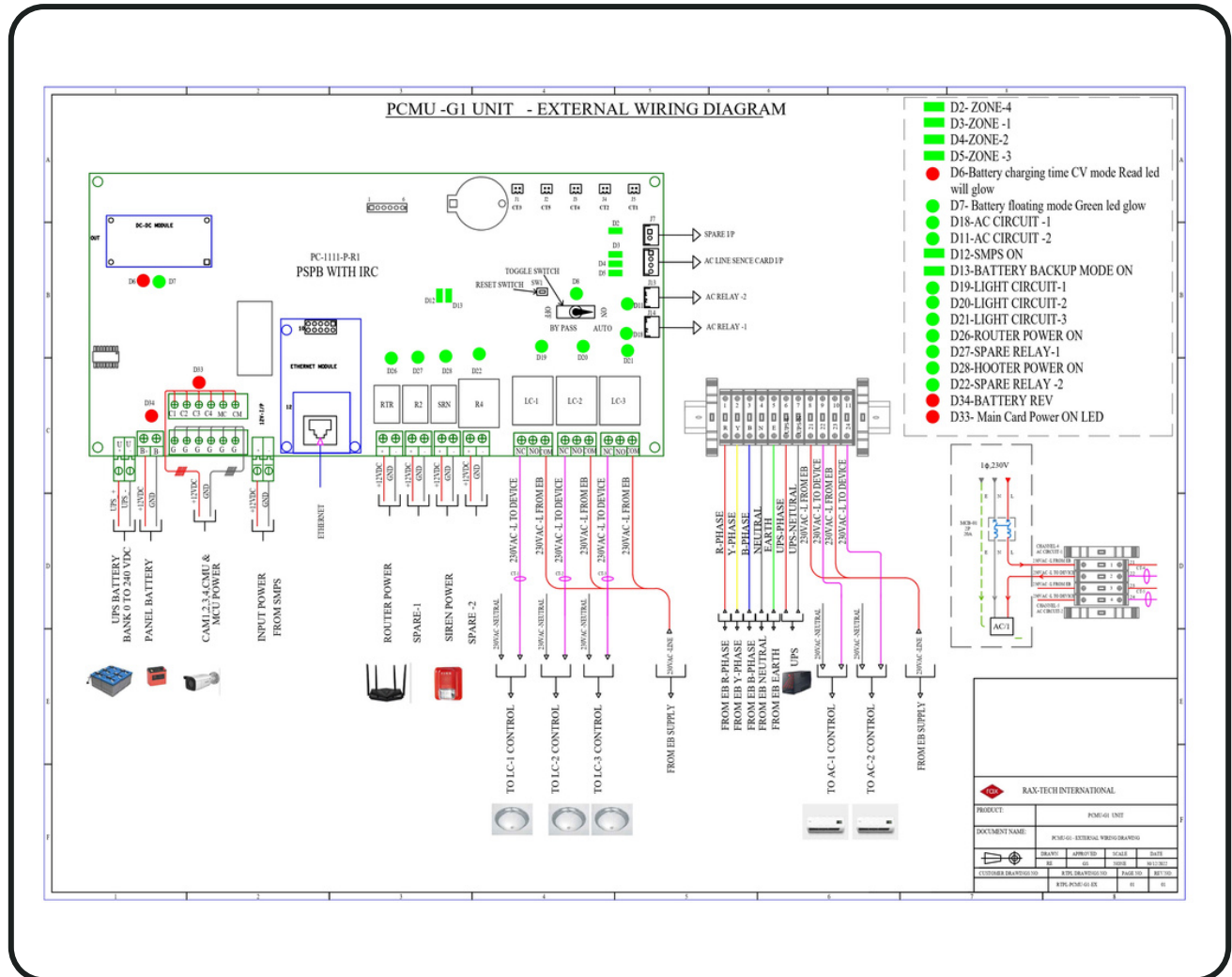
Functional Specification

Input Zones	• Sensors Type Selection –NC/NO /PIR • Function Type- Intruction-Arm/Disarm • Alert time configuration • Hooter duration time configuration • Types of Action selection-CMS/Hooter • SIA Event Code configuration • Enable/Disable
Output Control	• Hooter/Other type selection • 4 no's of different schedule function • Enable/Disable • Auto/Manual • SIA Event Code configuration • Load Real On/Off Status Monitoring • Hooter Duration Configuration
Power Backup Management	• Current battery voltage reading display • Current SMPS Voltage Reading display • Battery Presence detection • Battery Low and Cutoff Voltage configuration • Battery Low and cutoff alerts • SMPS Failure Alert
UPS Battery Voltage Management	• Current UPS Battery Voltage Reading display • Battery Low Voltage configuration for Alert
Communication	• Device IP and Port number configuration • Target Server IP and Port number Configuration. • SIA Standard Protocol

Flow Diagram



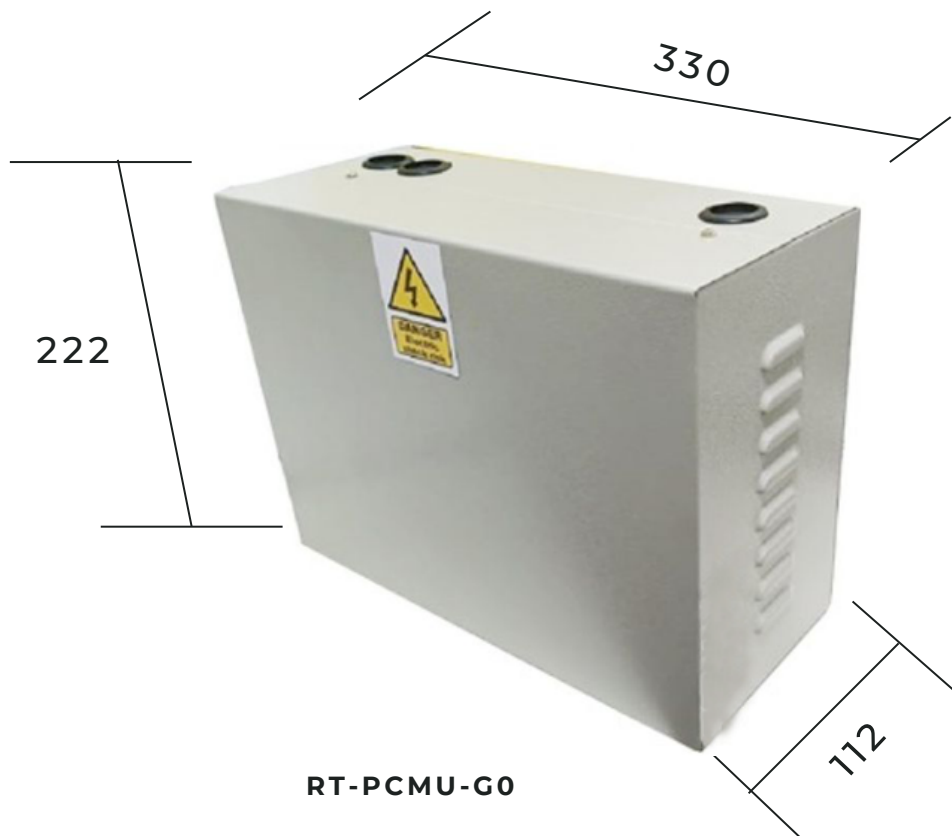
Wiring Diagram



Product Selection

MODEL	COMMUNICATION	DIMENSIONS (W*H*D)mm
RT-PCMU-G0	TCP/IP, Ethernet	W330 x H222 x D112

Product Dimensions



Calibration

This product is factory calibrated, No Field calibration is necessary for the life of this product.

Certification

CE certified, RoHS compliant, ISO 9001:2015

Warranty

1 Year warranty

Note: Please refer our product catalogue for other models selection.

Revision History

REV NO.	DATE	NO. OF PAGES	PREPARED BY	REVIEWED BY	APPROVED BY
1	26-03-25	07	RK	CT	AX