

CCMS RTU

- DIN-rail mounted Remote Terminal Unit
- Built-in real-time clock (RTC)
- Supports daily, weekly, holiday, and astronomical schedules
- 3 relay outputs for load control
- Manual override via local switch
- Status indication through LED indicators
- Remote configuration and monitoring via cloud platform
- Remote firmware update support



Technical Specifications

	Parameters	Specifications
Electrical Specifications	Supply Voltage	5V DC, 2.5 A
	Operating Temperature	0 to 70° C
	Battery Backup	2 hours
	RTC Battery Backup	5 years
	Energy Measurement	RS232 based DLMS meter
	Auxiliary Relay Contacts	3 relays (NO)
Communication	Technology	4G cellular, LAN
	Protocol	MQTT over TCP-IP
	Security	AES 128-bit encryption SSL certificated for enhanced security
	Antenna Type	Mini Stub Antenna
Mechanical Specifications	Dimensions	110 x 105 x 74 mm
	Mounting	Din rail mounting
	Protection	IP20
	Material	Cover - ABS Polycarbonate Base – ABS Noryl
	Colour	Cover – White Base - Black
	Relay Contact Material	AgCdO
	Mechanical Life	1 x 10 ⁷
	Electrical Life	1 x 10 ⁵
Hardware Features	Analog inputs	Yes – (Battery and SMPS output voltage)
	Storage Memory	2 Mbits
	Alert detection	1. Mains failure - Yes 2. Earth leakage current - Yes
	Handheld Terminal Port	RS485 port
	Auxiliary Input	Total 6 isolated inputs <ul style="list-style-type: none"> • Door switch • MCB trip detection • Contactor (each phase) fault detection (3 inputs) • Auto/manual switch detection
Software Features	Scheduling	1. Fixed 2. Periodic 3. Astro 4. Interval 5. Hybrid
	Alerts on Edge	1. SMPS and Battery Fault (Only applicable for Pro Version) 2. Over/Under Voltage Alert with Load cut off 3. Over load alert with Load cut off 4. Meter Fault

	Event logs	Load ON/OFF Hardware Alerts Peripheral Fault								
	FOTA	Over the air firmware upgrade capability								
Firmware and Maintenance	Remote Firmware Update	Supported								
	Configuration Method	Cloud-based (EazyIoT Platform)								
Indicator / Control										
Indicators and Controls	Power LED	Indicates power status								
	Network LED	Indicates network connectivity <table border="1"> <tr> <td>OFF</td> <td>Communication Modem powered OFF</td> </tr> <tr> <td>Always ON</td> <td>Searching network</td> </tr> <tr> <td>800msec ON 800msec OFF</td> <td>Registered to the network (2G mode only)</td> </tr> <tr> <td>200msec ON 200msec OFF</td> <td>Data Transmit (2G mode) Data Transmit/Registered (4G mode)</td> </tr> </table>	OFF	Communication Modem powered OFF	Always ON	Searching network	800msec ON 800msec OFF	Registered to the network (2G mode only)	200msec ON 200msec OFF	Data Transmit (2G mode) Data Transmit/Registered (4G mode)
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Server LED	Indicates server communication <table border="1"> <tr> <td>ON</td> <td>Device connected to server</td> </tr> <tr> <td>OFF</td> <td>Device disconnected from the server</td> </tr> </table>	ON	Device connected to server	OFF	Device disconnected from the server					
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State LED	Indicates device status <table border="1"> <tr> <td>Blinking every second</td> <td>Device is in normal state</td> </tr> <tr> <td>Blinking every 200ms</td> <td>Relays are ON due to manual override.</td> </tr> </table>	Blinking every second	Device is in normal state	Blinking every 200ms	Relays are ON due to manual override.					
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SW Button	Manual control / override									
Accessory										
Accessories	Dimming Module	External dimming control								
	HMI Display	Local user interface								
Model										
Ordering Information	CCMS RTU									
Certification										
Certifications and Compliance	Conducted Susceptibility Test	IEC 61000-4-6: 2013								
	Electrical Fast Transient (EFT) /Burst Immunity Test	IEC 61000-4-4: 2012								

▪ **Dimensions (All dimensions are in mm)**

