

ELECTRICAL SAFETY  
POWER QUALITY  
ENERGY MANAGEMENT



## EETARP Power Consumption & Fault Detection Monitoring System (PCFDMS)

- **S** IoT smart monitoring solutions for smart switchboard
- Support digital input/output and analogue input/output
- Support all common communication protocols
- Remote monitoring features via MQTT / Modbus protocol
- SMS notification of status and alarms

# EETARP Power Consumption & Fault Detection Monitoring System (PCFDMS)



## Product Description

The Eetarp PCFDMS is designed to efficiently monitor the field metering devices, protection devices, overcurrent relays, digital or analog status for electrical switchboards and subsequently transmitting the data to the central monitoring station via open communication protocols like Modbus RTU, Modbus TCP/IP or MQTT.

The PCFDMS consists of one central programmable logic device (PLC) with SMS modem and built-in RS485 port, one RS495 communication card, high-quality 10-inch touch control panel, communication gateway, 24 Vdc backup UPS (with ultra-capacitor), multiple remote IO units (for status monitoring of protection devices and breaker status) and other necessary accessories to ensure a smooth operation.

## Device Features

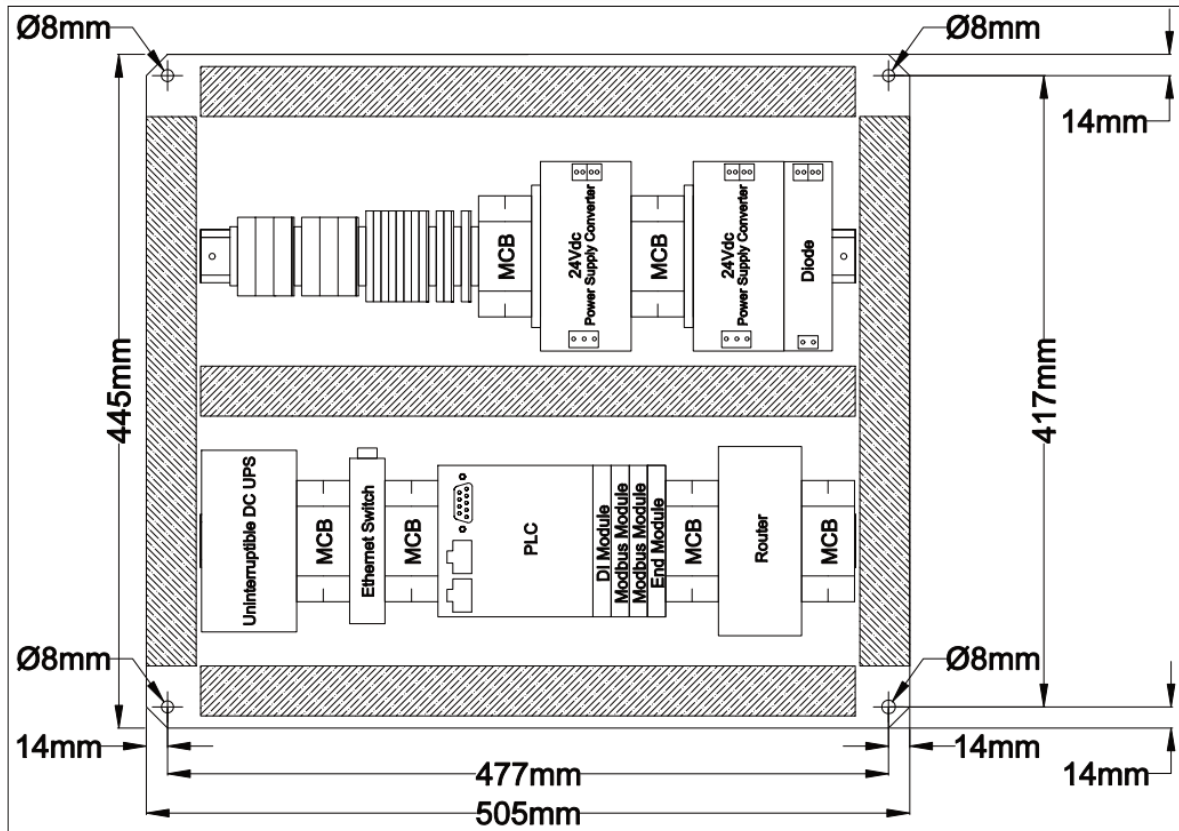
- Modular Design - Highly Scalable
- Suitable for new applications & retrofit projects
- Monitoring of the events occurs time
- Monitoring of the events normalized time
- Indication of events locations by feeder location
- Comes with 32GB SD for storing events and data logging
- Comes with 10-inch touch control panel with 1024 x 800 resolution for harsh environment (suitable for hot & humid area)
- Comes with Smart IoT gateway with built-in security features to meet cybersecurity requirement.
- MQTT broadcasting function
- SMS notification function
- User friendly interfacing for easy usage
- Decentralized IO module to ease the installation

## Benefits

- IoT interfacing ready
- Support digital output control
- Support digital input control
- Support analogue input, 4-20mA / 0-10V
- Support MODBUS / MQTT protocols
- Support process control & logic control
- Advance communication gateway with security control features

# Dimensions

## Typical Layout Design



# Ordering Code

## Ordering Code

Order Number	Features
PCFDMS-MODULE	Fixed Code Number come with 10inch LED display
-	
X	Number of remote I/O module
-	
X	0 = digital input dry contact 1= digital input dry contact



EEPL-CAT-PCFDMS-rev04

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