Intelligent Modular Branch Circuit Monitoring System (iMBCM)

Eetarp E800 Series

Designed for Intelligence

Eetarp E800 series Intelligent Branch Circuit Monitoring System (iMBCM) is designed to monitor power distribution unit (PDU) for its incoming power meter, breaker status (ON/OFF/TRIP) and branch circuit monitoring (BCM) into a centralize touch screen display for local/remote display & analysis.

Eetarp Graphene® Designed For Intelligence

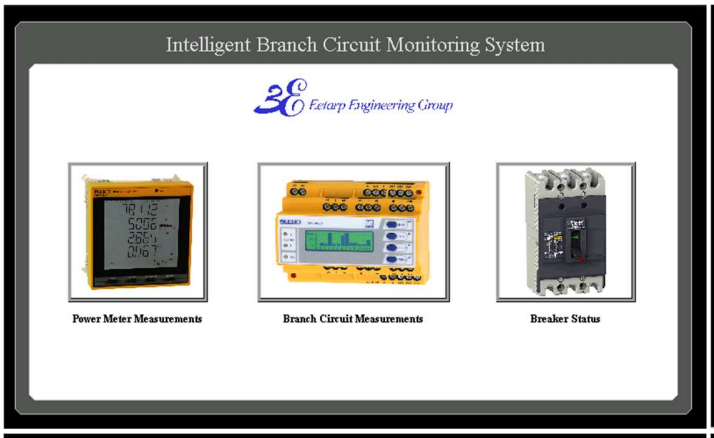
Eetarp E800 Intelligent Modular Branch Circuit Monitoring System (iMBCM)

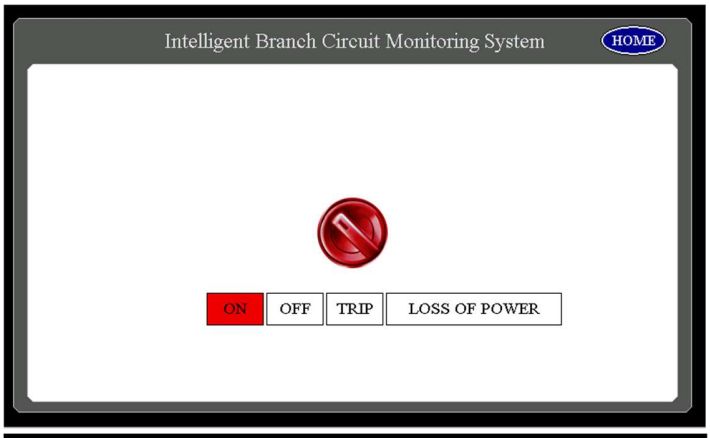
Intelligent Solutions

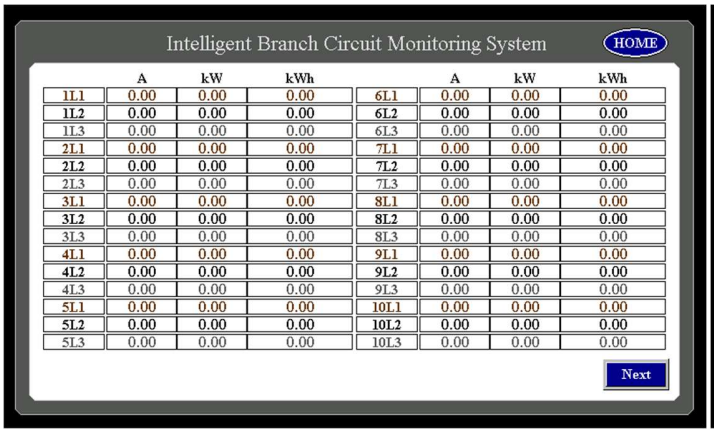
Eetarp E800 series Intelligent Modular Branch Circuit Monitoring System (iMBCM) is an affordable solution that is designed for ease of installation, accurate data collection and timely reporting of anomalies in the power distribution unit (PDU). E800 series iMBCM delivers precise, intelligent analysis of circuit-level electrical usage, breaker status, trip status and incoming power meter information.

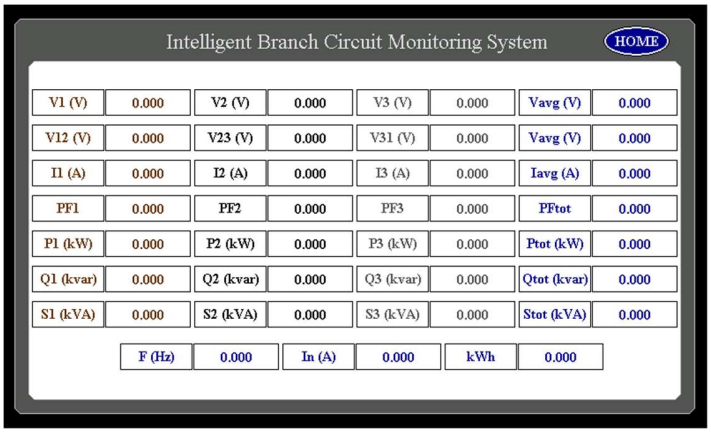
A Touch Screen Human Machine Interface (HMI) panel allows data center operators to quickly identify PDUs summary usage and information.

iMBCM is the ideal solution for data center managers, engineers and operational executives who are responsible for delivering power to critical applications or server rack. This helps user to properly plan, monitor and maintain their critical power infrastructure to meet the demands of continuous availability without interruption.



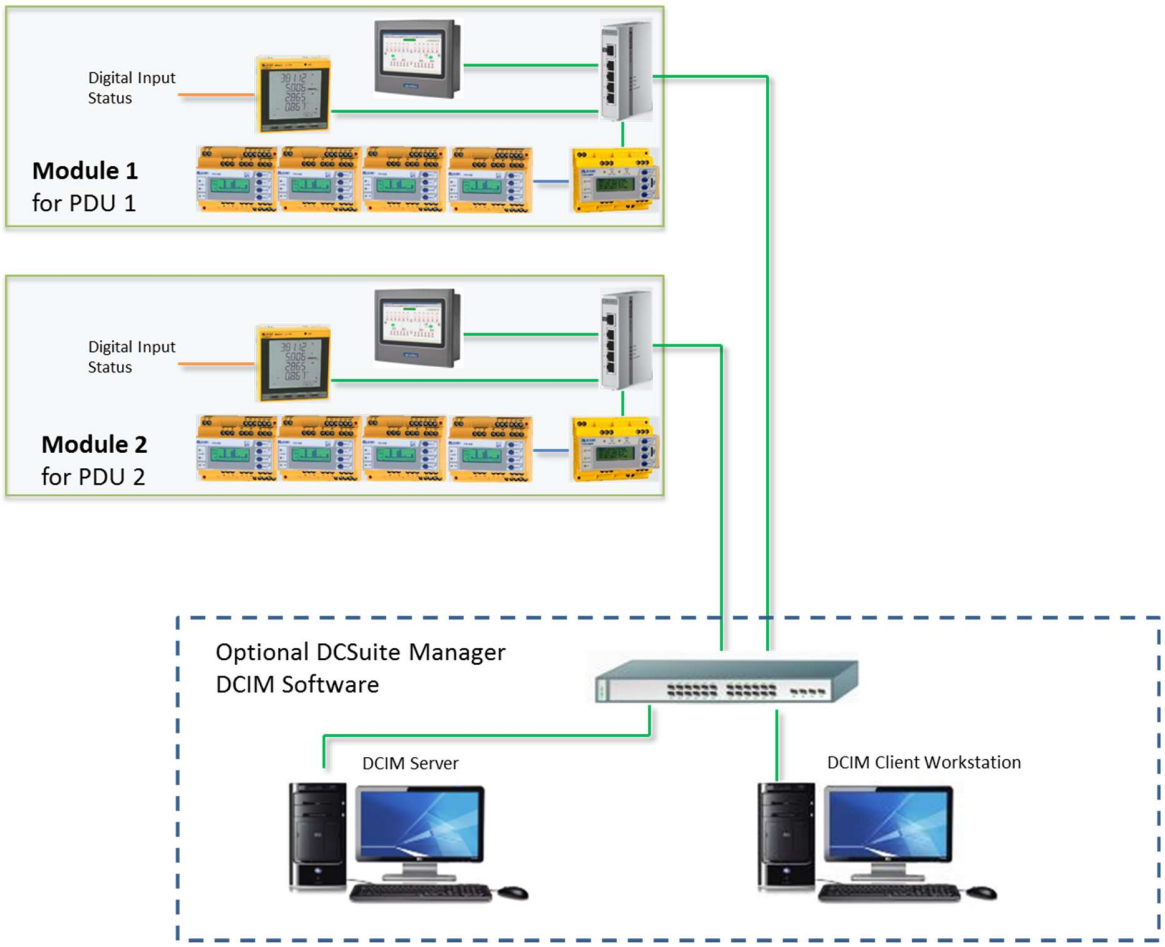


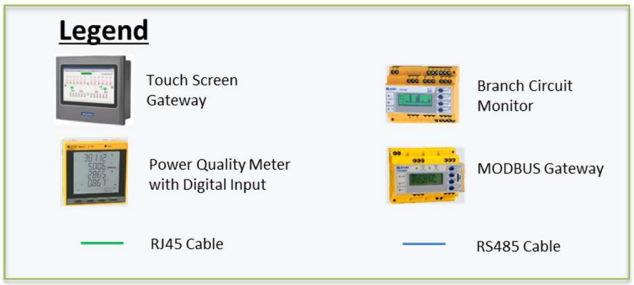




Modular Design

iMBCM is highly accurate and is uniquely designed for multi-circuits monitoring in modular solutions. Each iMBCM can monitors up to 384 branch circuits with multiplier of 12. With its modular design, planning of future expansion and maintenance of iMBCM becomes much convenient and easier.

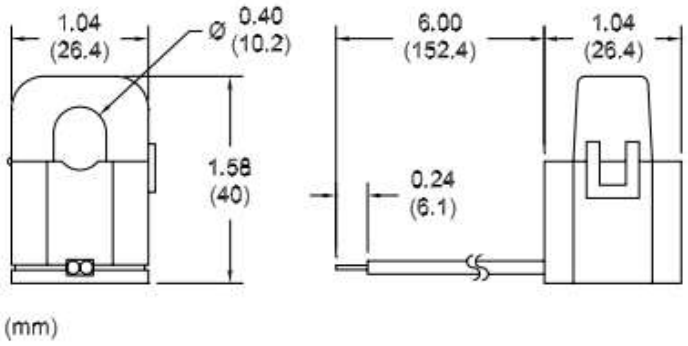




Easy Installation with Split Core CTs

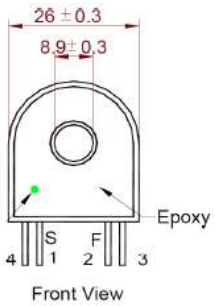
The iMBCM is uniquely designed with 3000 turn high accuracy split-core CT which has a better than 1% error, the unique hinge and locking snap allows attachment without interrupting the current-carrying wire for adoption in retrofit applications.

Outline Drawing

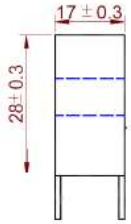


Optional Installation Using E850 Series Solid Core CTs

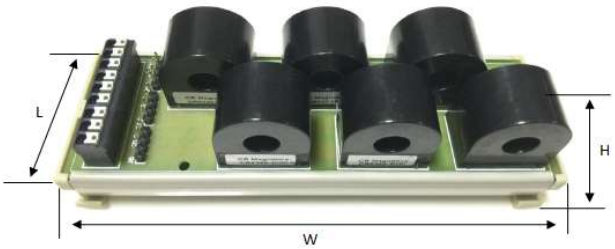
The E850 series din-rail mount is designed for multiple circuits monitoring in order to track the actual usage of each power circuits in the office, commercial building or data center. The unique PCB mounted CT is able to detect current flow through wires up to 120A and has an accuracy of better than 0.5%. Its design also complies with UL, CSA, CE and RoHS standards.



Front View



Left View



E850 Overall Dimension
145mm (W) x 45mm (L) x 50mm (H)

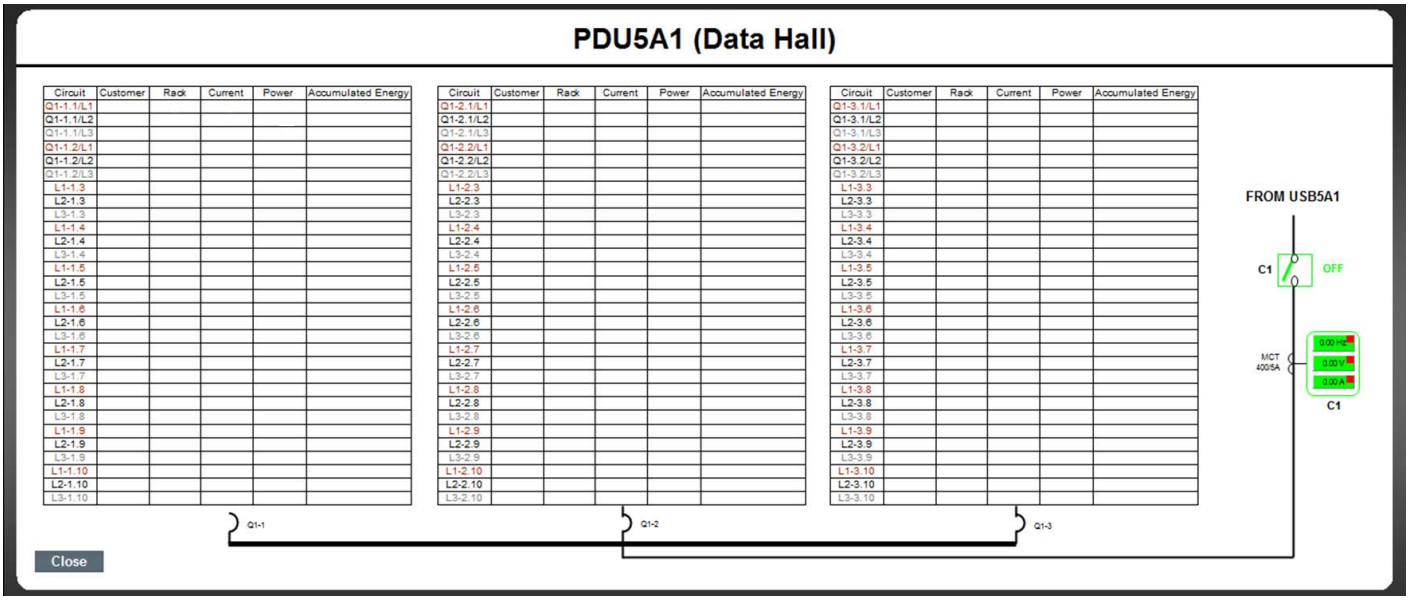
Key Features:

- Cost Effective – Single module able to measure up to 6 circuits.
- Easy Installation – Din-rail mounts designed for ease of installation.
- Simple Connection – Plug in type terminal block.
- Circuits load current monitoring for billing purposes.
- Current limit alarm monitoring to avoid circuits overload.

Easy Integration with Modbus TCP/IP

iMBCM provide open communication protocol (MODBUS TCP/IP) interfacing to Eetarp DCSuite Manager - Data Center Infrastructure Monitoring (DCIM) software package and deliver regular updates on overall system information into centralize monitoring system.

Individual PDU data will be available through a single IP address assigned to the touch screen communication gateway. With this design, integration of iMBCM into central monitoring system has been simplified significantly.



Advantages of Eetarp E800 Series iMBCMS

Monitoring to Ensure Uptime

- Monitor minimum acceptable tolerances of critical facilities
- Visualize the healthy status and energy usage of PDU with graphical diagrams

Get Early Warning on conditions that could lead to downtime

- Monitor potential over current trip at incoming of PDU
- Overload alarms from dedicated PDU branch circuit monitoring
- Real-Time information on PDU's breaker status

Key Features of Eetarp E800 Series iMBCMS

No	Feature
1	Individual iMBCM can monitor up to 384 circuits
2	Easy Installation with split core CTs
3	Supports hot swap of CTs to avoid downtime
4	Open Communication Protocol via MODBUS TCP/IP
5	Provides ampere, (A), power (kW) and energy (kWh) for each individual branch circuit
6	Capture total current per phase for the entire electrical panel
7	Monitor single phase, dual phase and 3-phase circuits
8	Provide PDU's summary usage and breaker status
9	Up to 6 digital inputs available for alarm/signal monitoring

Eetarp Engineering Pte Ltd

11, Woodlands Close,
#08-12/13 Woodlands 11
Singapore 737853
Tel: +65 6339 3651/3652/3653 | Fax: +65 6339 3667
Email: Info@eetarp.com | www.eetarp.com

Eetarp Power (M) Sdn Bhd
(formerly known as EESB Enginering Sdn Bhd)

No A-5-11, Block Allamanda
10 Boulevard, Lebuhraya Sprint
PJU 6A, 47400, Petaling Jaya
Selangor, Malaysia
Tel: +603 77293973 | Fax: +603 77298973
Email: Info@eetarp.com | www.eetarp.com