BRANCH CIRCUIT MANAGEMENT

BCM

INNOVATION IN DESIGN

- Robust mounting of circuit sensors via wiring harness connection
- Snap and screw-on circuit sensors with integral burden resistor
- Fully enclosed electronics module

BEST IN CLASS SERVICEABILITY

- Easily replace individual circuit sensors in the field
- Only power down individual branch, not entire panel
- Minimize costs and downtime

EASE OF CONFIGURATION

- User friendly, intuitive graphic user interface
- Flexible configuration
  - By individual circuit or entire panelboard

ADVANCED CONNECTIVITY

- Single system monitors up to 168 circuits
  - Can be up to 4 panelboards or a combination of panelboards and subfeeds
- Monitor up to 2,688 circuits with one local display
- Both 2 & 4 wire modbus compatible

PANELBOARD COMPATIBILITY

- Square D, Standard and column width panels
- GE panels

Managing individual circuit loading is critical to the reliability of your center. The Branch Circuit Management (BCM) system provides accurate load management information and alerts you of potential problems before they affect your operation. User configurable set points allow you to know when each circuit is approaching a load threshold that could open your supply to that device. This notification allows your staff to perform the required service to maintain your critical operation.

DESIGNED FOR PERFORMANCE, FLEXIBILITY AND RELIABILITY

- Factory integrated as an optional feature to your PDU or RPP; the Branch Circuit Management system can be used for communicating valuable information to your central management system or to a local or remote display panel.
- The BCM actively monitors the load current of each of your circuits and reports this information to you for cost allocation or load protection management.
- The Branch Circuit Management system provides field maintenance or upgradeability via a wiring harness connection allowing the addition and replacement of individual sensors. Others offer only a fixed component system carried on a PCB that must be abandoned within your panels and bypassed with an inelegant hardware configuration when upgraded or repaired.

SYSTEM FEATURES

Monitors Panel Branch Circuit Current
User Configurable Pre-Alarm & Alarm Set Points
Field Replaceable Individual Circuit Sensors
Single System Electronics Module (EM) can Monitor up to 168 Circuits (4 panels)
Electronics Modules can be Networked to Monitor up to 2,688 Circuits
Factory Installed Option to PDU or RPP

Options

Voltage & Power Sensing & Display
Conventional or Column Type Panel Designs
Local Display of All Metered Functions

CYBEREX®

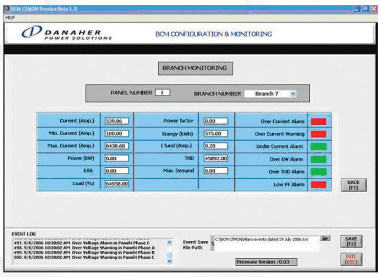
BRANCH CIRCUIT MANAGEMENT

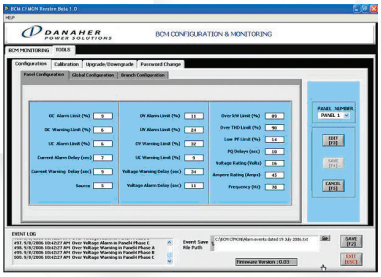
BCM

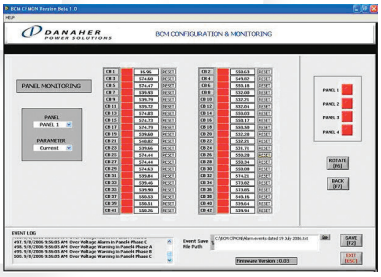
POWER & SYSTEM MONITORING

Each system is supplied with a Windows based, simple to use software that allows for easy circuit device identification and set point adjustments. This software allows the customer to program every logic and alarm point at the threshold required to optimize facility operation.

- Easy global setup of all BCM thresholds
- Flexible setup of individual circuit thresholds
- Ability to sum currents for panelboard and output to modbus







PRODUCT SPECIFICATIONS

Electrical

Circuits	42 – 168 per System
Voltage	120V
Frequency	60hz
Current Rating	60amps (ea.)
Accuracy	+/- 2%
Max. Conductor	#6 THHN (6.5mm OD)

Configurable Alarms Include

- Overcurrent warning
- Overcurrent alarm
- Undercurrent alarm
- Current warning delay time
- Current alarm delay time
- Overvoltage warning
- Overvoltage alarm
- Overvoltage warning delay time
- Overvoltage alarm delay time
- Over KW alarm

Communications

Protocol	Modbus RTU RS-485
Baud Rate	9600/19200
Termination	Six position screw terminal block
Parity	None

Options

- Energy metering – Including voltage sensing, KW and kVA
- Local LCD Display w/audible alarm
- Conventional or Column Type Panel Designs

CYBEREX®

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