

# POWERLOGIC® Series 3000 Circuit Monitor

## Measure And Control Energy Costs, And Minimize Unplanned Downtime



Looking for a way to measure and control energy costs, and minimize unplanned downtime? Square D, the leader in power management technology, has the answer with the new POWERLOGIC® Series 3000 Circuit Monitor (CM3000). Designed for industrial, large commercial, and OEM users, the new CM3000 is the ideal monitoring device for electrical mains, and branch feeders, as well as OEM applications, such as computer power. Our new POWERLOGIC Series 3000 Circuit Monitor gives you instant access to real time web pages without installing or learning special software.

### The Most Powerful Mid-Range Circuit Monitor Available

The CM3000 features the same technology as the most powerful permanently mounted circuit monitor available, the POWERLOGIC CM4000. Using a standard web browser, the highly accurate CM3000 can serve up instantaneous readings, predictive forecasting trends, energy usage cost, power quality and disturbance analysis, or even customized web pages. And, you can web-access summary data transparently from other devices connected downstream, giving you the information necessary to make proactive business and engineering decisions. With extensive onboard memory, the CM3000 gives you the ability to drill down to the detail necessary to facilitate troubleshooting, identify trends, and maintain the control you need over your electrical system.

### Features and Benefits

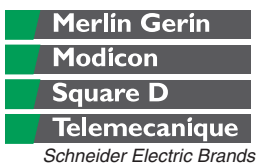
- **Most User Friendly Web-Enabled Circuit Monitor** — Using an Ethernet Communication Card (ECC), the CM3000 features web-enabled technology built right into the circuit monitor itself, making it easy to access information from any PC with a standard Web browser, such as Internet Explorer.
- **Exclusive Built-In Forecasting** — In addition to providing historical data through trending analysis, the CM3000 circuit monitor also provides exclusive forecasting information of electrical parameters, which allows the customers to look into the future and make better decisions about impending usage, and helps you measure and control energy costs.
- **Eliminates Blind Spots in Data Collection** — The CM3000 samples continuously at 128 times per cycle, leaving no blind spots in data collection. With faster processing power than other circuit monitors in its class, the CM3000 provides simultaneous, accurate collection of real-time data and, onboard data logs, waveforms and disturbances. Consequently, the CM3000 gives you the most reliable information on which to base power management decisions that can help you minimize unplanned downtime.
- **Faster and Less Expensive to Install** — The CM3000 can connect directly with up to 600V metering inputs as opposed to traditional 120V. (Eliminates the need for potential transformers [PTs], up to 600 V, to step line voltage down to metering levels and eliminates the extra wiring associated with PTs.)
- **Small Footprint Saves Space** — the POWERLOGIC CM3000 can be mounted virtually anywhere inside the electrical equipment, and doesn't require a separate metering compartment. Built-in tabs for DIN rail mounting are especially useful for OEM and retrofit applications because they make the CM3000 easier to install.



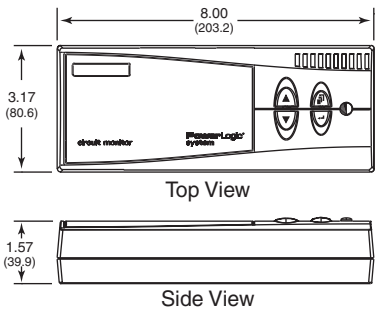
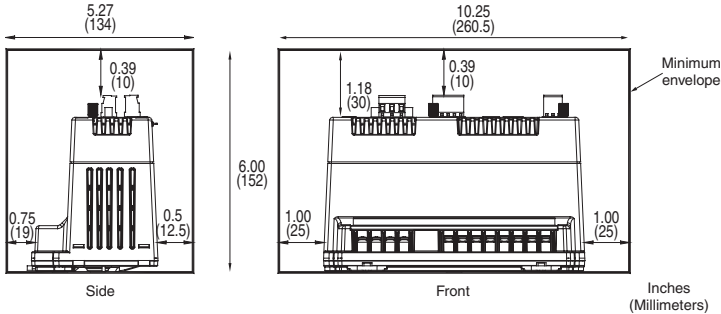
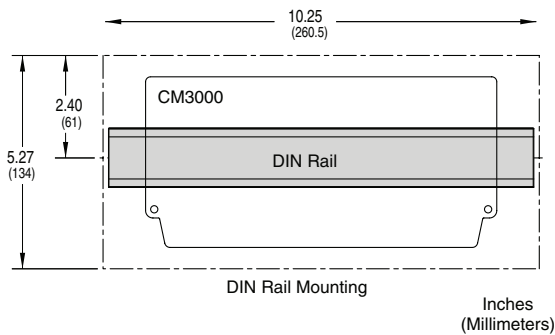
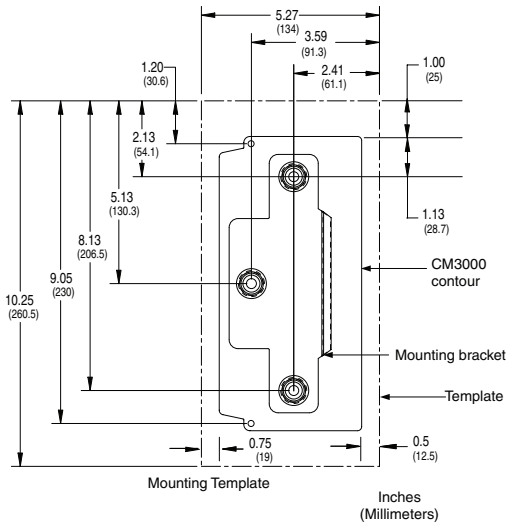
With more processing power than competitive meters, the CM3000 can perform onboard trending and load forecasting up to four days in advance

### Models Available:

- CM3350
- CM3250



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in. (mm)

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## Feature Summary

	CM3250	CM3350
<b>Basic Instrumentation</b>		
(Current&Voltage/Phase, Current Demand, Power(kW,kVAR,kVA),K-Factor, Energy(kWH,kVARh,kVAh), Power Factor, Current&Voltage THD, Min/Max Readings)	✓	✓
<b>Advanced Instrumentation</b>		
Current - G, Demand Voltage, 3-ph. Incremental Energy, Fundamental Current/Voltage/Power, Phase Rotation	✓	✓
<b>Logging</b>		
Memory (Standard / Optional)	8MB	8MB
Alarm / Event Log	✓	✓
Maintenance Log	✓	✓
Min / Max Average Log	✓	✓
Interval Min / Max Log	✓	✓
Trending / Forecasting	✓	✓
<b>Time Synchronization</b>		
Comms. Clock Synchronization	✓	✓
GPS Clock Synchronization	Option	Option
<b>Alarming</b>		
Setpoint-Driven Alarms	✓	✓
Boolean Alarms	✓	✓
Custom Alarms with Priority Levels	✓	✓
High Speed (100ms)	✓	✓
Multiple Level Alarming	✓	✓
Disturbance (1/2 cycle)	—	✓
<b>Power Quality</b>		
Sag / Swell Monitoring	—	✓
Harmonic Resolution	63rd	63rd
<b>Communications</b>		
RS-485 Port Speed	38.4k	38.4k
Onboard Ethernet Speed	10/100MB	10/100MB
Onboard HTML Web Pages	✓	✓
Display	Option	Option
<b>Input/Output</b>		
KYZ output	✓	✓
Digital I/O (available on unit)-optional	8	8
<b>Event Capture</b>		
WFC Steady State	✓	✓
WFC Disturbance	✓	✓
100 ms Event Recording	—	✓
<b>Metering Characteristics</b>		
Sampling Rate (Samples/Cycle)	128	128
<b>Specifications</b>		
Voltage Input-Nominal full scale (Vac)	347 L-N	600 L-L
Control Voltage Range DC	100 V	300 V
Control Voltage Range (Vac)	90-305 V	90-305 V
Current Inputs Range	0-10A	0-10A
Accuracy IEC 60687 class	0.5 S	0.5 S
Accuracy ANSI	12.2	12.2
DIN Rail Mountable	✓	✓

## Ordering Information

Part (Type)	Description
CM3250	Circuit Monitor, data logging, waveform capture, 8 MB memory
CM3350	Circuit Monitor, same features as CM3250 with disturbance monitoring
CMDVF	4-line x 20 character Vacuum Fluorescent Display with IR port
ECC21	Ethernet Communication Card w/HTML capabilities
IOC44	Field installable I/O card with 4 inputs, 3-relay outputs, 1 pulse output
CM3MA	Bracket adapter—back to back display/meter mounting or CM2 series retrofits
CM3LA	L-Mounting bracket adapter