

Power Monitoring Multi-circuit

Multi-circuit Monitor

H8238 Series



Monitor Eight 3-Phase Circuits with One Device

FEATURES

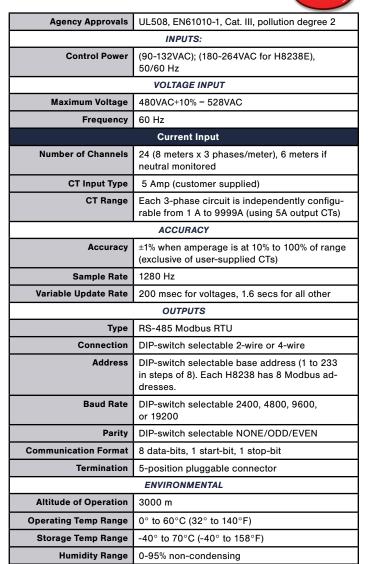
- Revenue Grade measurements
- Save labor and installation costs by monitoring up to eight 3Ø, (or six 3Ø plus neutral current) loads from a single service with common voltage connections
- Minimizes the need to install multiple transducers fewer components to install...saves time and space
- Easily connect up to 24 industry standard 5A CTs (solid-core and/or split-core)
- Modbus communication for efficient data collection
- Improve monitoring system efficiencies by accessing 26 data points per circuit, plus alarms, with one RS-485 drop
- Daisy chain up to 30 units on a single drop...easy wiring
- Field-selectable address, baud rate, parity and wiring connections...simple configuration
- Use with E8951 gateway for BACnet connectivity...expanded system compatibility
- Use with U013-0012 serial to ethernet protocol converter...easy system integration

DESCRIPTION

The **H8238 Multi-Circuit Monitor** power monitoring system provides a convenient solution for monitoring multiple electrical services that share a common voltage source. It also reports diagnostic information such as power factor, volts, amps, and kVAR, over an RS-485 network using the industry standard Modbus communication protocol. To protect valuable equipment, it has built-in alarm registers for over- and under-voltage, current, and kVA.

The monitoring capabilities and open systems compatibility of the H8238 make it an ideal power monitoring solution for OEM, tenant submetering applications, & load management of power distribution units commonly used in internet data centers.

SPECIFICATIONS



APPLICATIONS

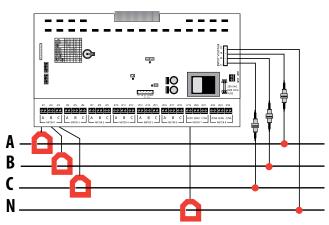
- Tenant submetering
- Real-time power monitoring
- Activity-based costing
- Managing loads

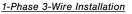


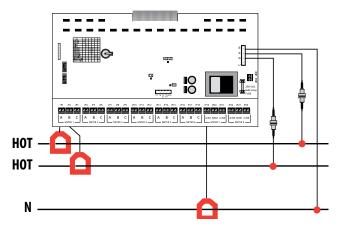
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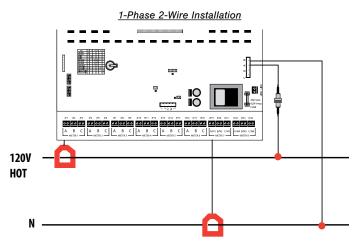
WIRING DIAGRAMS

3-Phase 4-Wire Installation









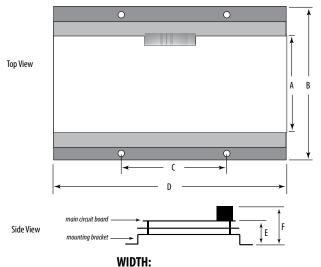
ORDERING INFORMATION

MODEL	DESCRIPTION	(F
H8238	Multi-Circuit Monitor, 90-130 VAC supply voltage	
H8238E	Multi-Circuit Monitor, 240VAC supply voltage	ւ(Որ)։
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For 240VAC supply voltage version, order H8238E

H8238 Series transducers are sold as open devices. Observe handling precautions for static sensitive devices to avoid damage to the circuitry which would not be covered under the factory warranty.

DIMENSIONAL DRAWINGS



 $\overline{A} = 5.3''$ (135mm) board B = 8.9'' (226mm) mounting bracket base

LENGTH:

 $\overline{C = 6.0''}$ (153mm) D = 12.8'' (325mm)

HEIGHT: E = 2.9'' (74mm) F = 4.0'' (101mm)

DATA OUTPUTS

kWh Energy Consumption kW Real Power kVAR Reactive Power kVA Apparent Power Power Factor Total Voltage, L-L, avg. of 3 phases Voltage, L-N, avg. of 3 phases Current, average of 3 phases kW Real Power, phase A kW Real Power, phase B kW Real Power, phase C Power Factor, phase A Power Factor, phase B Power Factor, phase C Line to Line Voltage, phase A-B Line to Line Voltage, phase B-C Line to Line Voltage, phase A-C Line to Neutral Voltage, phase A-N Line to Neutral Voltage, phase B-N Line to Neutral Voltage, phase C-N Current, phase A Current, phase B Current, phase C kW Average kW Minimum Frequency (measured from phase A)

Over Voltage Under Voltage Over Current Under Current Over kVA Under kVA Phase Loss A Phase Loss B Phase Loss C

Modbus® Alarms:

ACCESSORIES

AL, BL, CL 5AAC Solid-Core Current Transformers H681x-5A Split-Core Current Transformers Modbus-to-BACnet Converter (E8951) Modbus TCP Gateway (U013-0012)







E8951

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