

specifications

The SmartZone™ Zero-RU Inline Meter extends real-time aggregate power monitoring intelligence to any non-intelligent power distribution unit (PDU) device installed in a rack or cabinet enclosure. The inline meter is installed as part of a primary/secondary topology, where all the critical intelligence and monitoring power supply for the inline meter is retained within a connected gateway. The inline meter allows for multiple mounting options. Data captured from the inline meter is used to display operational data through connected gateway firmware or through SmartZone™ Software platforms.



technical information

Dimensions: Varies. See part descriptions for dimensions of each device.
Mounting: Zero RU mounting

key features and benefits

| | |
|--|---|
| Extended intelligence | Layers intelligent monitoring capabilities over non-intelligent PDUs to quickly and cost-effectively integrate DCIM benefits into legacy installations |
| Primary/secondary network topology | Connects to a SmartZone™ Gateway device that houses the intelligence and monitoring power supply for the SmartZone™ Zero-RU Inline Meter within the gateway itself to simplify the network architecture and lower overall power consumption |
| Zero RU form factor | Allows SmartZone™ Zero-RU Inline Meter to be free standing or mounted directly to or within a rack or cabinet enclosure, simplifying and accelerating deployment time and reducing the need for valuable rack space |
| Vendor neutral | Connects to any PDU to enable aggregate monitoring of any new or existing third-party devices, cost-effectively maximizing resources |
| RJ45 connection | Utilizes an RJ45 plug to quickly and easily connect SmartZone™ Zero-RU Inline Meter to a SmartZone™ Gateway port to simplify installation |
| SmartZone™ Software suite integration | Captures actionable power and environmental data that can be utilized by SmartZone™ Software to enable data center operational and energy efficiencies, capacity management, and resilience |

applications

SmartZone™ Power Monitoring Devices capture power consumption data of non-intelligent, vendor neutral equipment within IT and facility domains. These devices operate using intelligence and monitoring power supplied by SmartZone™ Gateways, connected via RJ45 ports. The gateways collect data captured from the power monitoring devices for display via gateway firmware or for utilization by SmartZone™ Software platforms. Unique form factors simplify installations, allowing IT and facility teams to quickly and easily retrofit legacy (brownfield) installations with intelligence capabilities in a manner that cost-effectively maximizes current resources.

The Panduit® SmartZone™ Zero-RU Inline Meter captures aggregate power of a non-intelligent PDU by quickly installing between the PDU power plug and its primary power source, and then easily plugging the Zero-RU Inline Meter into an RJ45 gateway port. This inline device can then be inserted into the cabinet or mounted to the cabinet enclosure to save valuable RU space. This rapidly initiates power consumption monitoring and measurement of existing installed PDUs without the expense, time, or trouble of installing new PDU equipment.

SmartZone™ Zero-RU Inline Meter

specifications

| | |
|---------------------------------|---|
| Connectivity | RS485 Interface |
| Rated Voltage | 120V – 208V AC Single and Three Phase |
| Rated Current | Up to 30A, Single and Three Phase (model specific, see below) |
| Rated Frequency | 50 Hz to 60 Hz |
| Operating Temperature | 32°F to 104°F (0°C to 40°C) |
| Measuring Accuracy | +/- 2% (Single Phase), +/- 1% (Three Phase) |
| Local Display | LCD of Amps, Voltage and kWhr, KVA, power factor, frequency |
| Display Resolution | 1 Volt, 0.01 Amp, 0.1 kWhr |
| Cable Length/Input Plug | 1.5 meters cable length (Input plug model specific, see below) |
| Output Plug/Cable length | IEC 60309, (Commando), NEMA, 1.5 meter cable length (model specific, see below) |
| Material | Metal, Zintec, Black RAL-9005 |
| Safety Standards | EN 60950-1/A12:2011, CAN/CSA C22.2 No. 60950-1/A1:2011 and UL 60950-1/R:2011-12, EN 55022, EN 55024 |

part numbers

| Zero-RU Inline Meter (NA) | |
|---|---|
| GM-A0919BL | 20A 120V-208V Single Phase, Commando Plugs and Sockets, 1.5 meter cable (dimensions: 10.47 in. x 7.17 in. x 3.19 in. [266mm x 182mm x 81mm]) |
| GM-A0920BL | 20A 120V-208V Three Phase Delta, Commando Plugs and Sockets, 1.5 meter cable (dimensions: 14.13 in. x 10.51 in. x 3.19 in. [359mm x 267mm x 81mm]) |
| GM-A0926BL | 30A 120V-208V Single Phase, Commando Plugs and Sockets, 1.5 meter cable (dimensions: 10.83 in. x 7.17 in. x 3.19 in. [275mm x 182mm x 81mm]) |
| GM-A0927BL | 30A 208V Three Phase Delta, Commando Plugs and Sockets, 1.5 meter cable (dimensions 14.13 in. x 10.51 in. x 3.19 in. [359mm x 267mm x 81mm]) |
| GM-A0922BL | 20A 120V Single Phase NEMA L5-20P, L5-20R Plugs and Sockets, 1.5 meter cable (dimensions: 13.07 in. x 11.89 in. x 3.19 in. [332mm x 302mm x 81mm]) |
| GM-A0929BL | 30A 120V Single Phase NEMA L5-30P, L5-30R Plugs and Sockets, 1.5 meter cable (dimensions: 13.07 in. x 11.89 in. x 2.36 in. [332mm x 302mm x 60mm]) |
| GM-A0924BL | 20A 208V Single Phase NEMA L6-20P, L6-20R Plugs and Sockets, 1.5 meter cable (dimensions: 13.07 in. x 11.89 in. x 2.36 in. [332mm x 302mm x 60mm]) |
| GM-A0931BL | 30A 208V Single Phase NEMA L6-30P, L6-30R Plugs and Sockets, 1.5 meter cable (dimensions: 13.07 in. x 11.89 in. x 2.36 in. [332mm x 302mm x 60mm]) |
| GM-A0923BL | 20A, 120V Single Phase NEMA 5-20P, 5-20R Plugs and Sockets, 1.5 meter cable (dimensions: 11.1 in. x 9.92 in. x 2.36 in. [282mm x 252mm x 60mm]) |
| Included in SmartZone™ Rack Energy Kits | |
| RMSQ2T2POB01 | (2) Zero RU Inline Meters, (20A 120/208V Single Phase, Commando Plugs and Sockets), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB02 | (2) Zero RU Inline Meters, (20A 208V Three Phase, Commando Plugs and Sockets), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB03 | (2) Zero RU Inline Meters, (30A 120/208V Single Phase, Commando Plugs and Sockets), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB04 | (2) Zero RU Inline Meters, (30A 208V Three Phase, Commando Plugs and Sockets), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB05 | (2) Zero RU Inline Meters, (20A 120V Single Phase, NEMA L5-20P, L5-20R), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB06 | (2) Zero RU Inline Meters, (30A 120V Single Phase, NEMA L5-30P, L5-30R), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB07 | (2) Zero RU Inline Meters, (20A 208V Single Phase, NEMA L6-20P, L6-20R), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB08 | (2) Zero RU Inline Meters, (30A 208V Single Phase, NEMA L6-30P, L6-30R), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |
| RMSQ2T2POB24 | (2) Zero RU Inline Meters, (20A 120V Single Phase, NEMA 5-20P, 5-20R), (1) Gateway, (2) Temperature Sensors and Rack Monitoring Software |

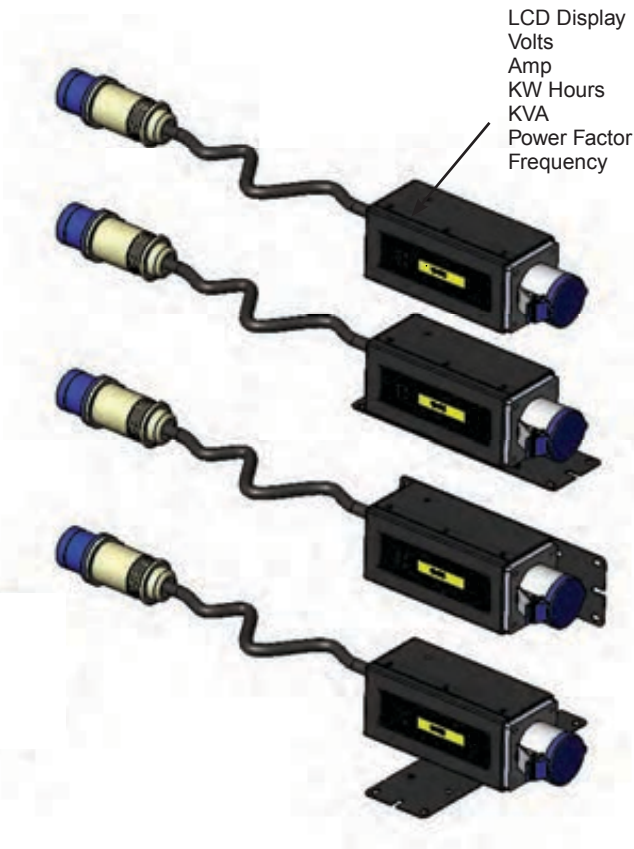
SmartZone™ Zero-RU Inline Meter

part numbers (continued)

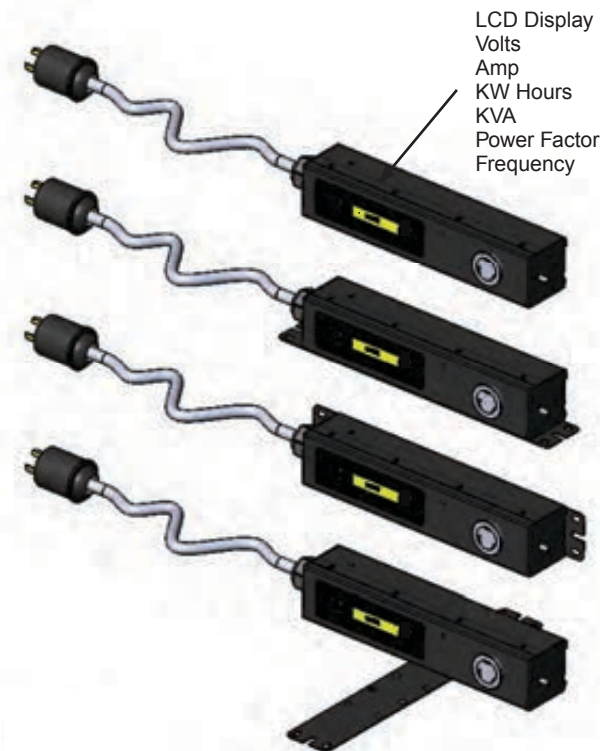
| SmartZone™ Gateway Devices | |
|----------------------------|---|
| ZARKMS-01-NA | SmartZone™ Gateway EP042 with IEC – NEMA 5-15 power cable |
| ZARKMS-01-UNI | SmartZone™ Gateway EP042 with IEC – IEC power cable |
| ZARKMS-01-99 | SmartZone™ Gateway EP042 (no power cable) |
| ZAH13-01-NA | SmartZone™ Gateway EPA064 with IEC – NEMA 5-15 power cable |
| ZAH13-01-UNI | SmartZone™ Gateway EPA064 with IEC – IEC power cable |
| ZAH13-01-99 | SmartZone™ Gateway EPA064 (no power cable) |
| ZAEI-01-NA | SmartZone™ Gateway EPA126 with IEC – NEMA 5-15 power cable |
| ZAEI-01-UNI | SmartZone™ Gateway EPA126 with IEC – IEC power cable |
| ZAEI-01-99 | SmartZone™ Gateway EPA126 (no power cable) |
| ZAEIEXP-01-NA | SmartZone™ Gateway Expansion Unit EPAX18 with IEC – NEMA 5-15 power cable |
| ZAEIEXP-01-UNI | SmartZone™ Gateway Expansion Unit EPAX18 with EC power leads |
| ZAEIEXP-01-99 | SmartZone™ Gateway Expansion Unit EPAX18 (no power cable) |

mounting options

commando plug

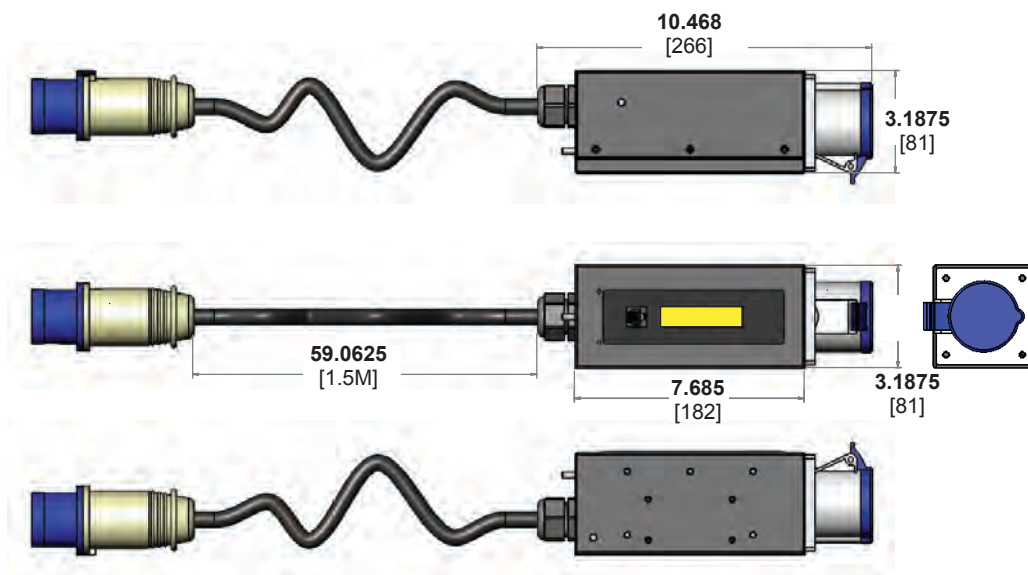


nema plug

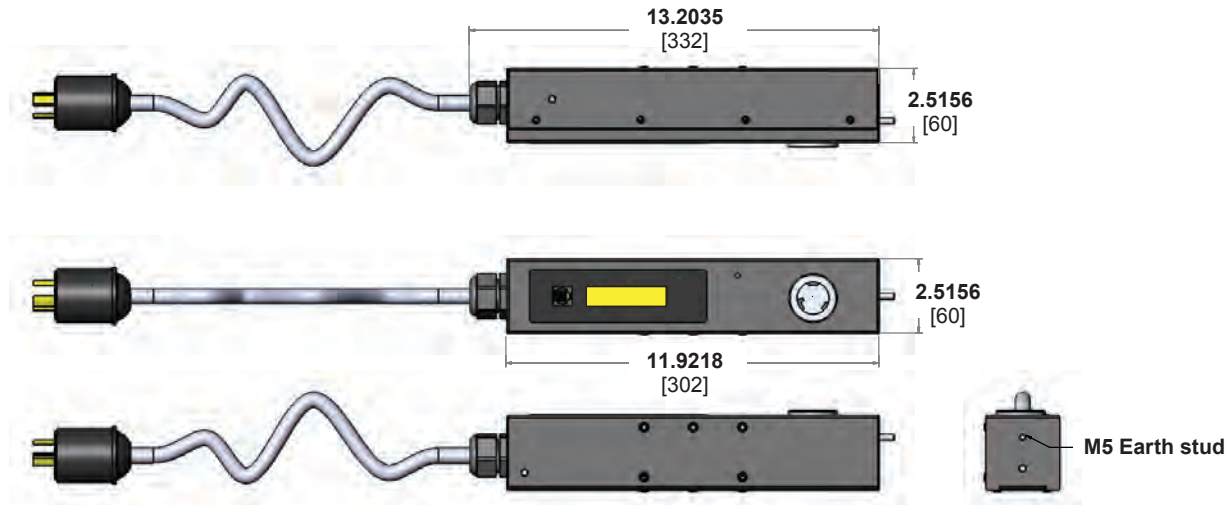


SmartZone™ Zero-RU Inline Meter

commando plug



nema plug



Dimensions are in inches. [Dimensions in brackets are metric].

World Wide sUBsidi Aries AND sAles OFFiCes

PANdUit CANAdA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANdUit eUr OPe l t d .
l ondon, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANdUit si Ng APORe Pte . l t d .
r epublic of singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANdUit JAPAN
tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANdUit l Ati N AMeri CA
guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANdUit AUstr Ali A Pt Y. l t d .
victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

f or more information

Visit us at www.panduit.com

contact customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®

©2014 Panduit Corp.
All rights reserved.
pVSp98--WW-enG
9/2014