

Main

Range	PowerLogic
Range of product	PowerLogic
Product or component type	Multi-circuit energy meter
Product name	PowerLogic EM4800
Device short name	EM4800
Power monitoring	Basic instrumentation
Energy management	Sub billing and cost allocation Billing analysis
Market segment	Buildings / Large building (Energy Panelboard Cost management) in for Billing Buildings / Small building (Energy Panelboard Cost management) in for Billing Buildings / Multi-site (Energy Panelboard Cost management) in for Billing Buildings / Large building (Energy Panelboard Cost management) in for Cost allocation Buildings / Small building (Energy Panelboard Cost management) in for Cost allocation Buildings / Multi-site (Energy Panelboard Cost management) in for Cost allocation Buildings / Medium building (Energy Panelboard Cost management) in for Billing Buildings / Medium building (Energy Panelboard Cost management) in for Cost allocation
Device application	Sub billing
Type of measurement	Positive active energy Positive reactive energy Negative active energy Negative reactive energy Apparent energy Current per phase, rms Voltage per phase, rms Pulse count
[Us] rated supply voltage	230...240 V AC at 50 Hz
Network frequency	50 Hz

Complementary

Sampling rate	256 samples/cycle
Display type	Backlit LCD
Messages display capacity	2 lines of 16 characters
Analogue input type	Solid core CT, 5 A x 24 (single pole) Solid core CT, 5 A x 12 (single phase) Solid core CT, 5 A x 8 (three phase) Split core CT, 5 A x 24 (single pole) Split core CT, 5 A x 12 (single phase)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Split core CT, 5 A x 8 (three phase)

Measurement voltage	480...999000 V with external VT 80...480 V
Number of outputs	0
Measurement accuracy	+/- 0.5 % of the measuring range
Number of inputs	2 pulse
Communication port protocol	Modbus TCP/IP BACnet IP FTP HTTP SNTP
Communication port support	RS232 SUB-D 9 Ethernet RJ45 Modem RJ11
Communication of data	Negative active energy Negative reactive energy Voltage Positive active energy Apparent energy Positive reactive energy
Compatibility code	EM4800

Environment

Mounting mode	Wall mount
Device mounting	Wall mounted
Type of installation	Enclosed outdoor Indoor installation
Relative humidity	90 % at 40 °C
Pollution degree	2
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-40...70 °C
Operating altitude	<= 3000 m
Standards	IEC 61010-1 ICES-003 EN 55022 FCC part 15 class B CSA C22.2 No 61010-1 IEC 61000-4-5 ANSI/TIA-568-A
Product certifications	UL
Width	33.5 cm
Depth	5.5 cm
Height	44 cm
Product weight	5.4 kg

Contractual warranty

Warranty period	18 months
-----------------	-----------

Product Life Status

END-OF-SALE NOTICE