



Main

Range	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
Device application	Sub billing
Type of measurement	Current per phase, rms Voltage per phase, rms Negative reactive energy Apparent energy Pulse count Positive active energy Positive reactive energy Negative active energy
[Us] rated supply voltage	120 V AC 60 Hz
Network frequency	60 Hz

Complementary

Sampling rate	256 samples/cycle
Display type	Backlit LCD
Messages display capacity	2 lines of 16 characters
Current transformer input	24 solid core CT 80 mA single pole 12 solid core CT 80 mA single phase 8 solid core CT 80 mA three phase
Measurement voltage	80...480 V 480...999000 V with external VT
Measurement accuracy	+/- 0.5 % of the measuring range
Number of inputs	2 pulse

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

Communication port protocol	BACnet IP FTP HTTP Modbus TCP/IP SNTP
Communication port support	RJ45 Ethernet RJ11 modem SUB-D 9 RS232
Communication of data	Positive reactive energy Positive active energy Voltage Apparent energy Negative reactive energy Negative active energy

Environment

Mounting mode	Wall mount
Device mounting	Wall mounted
Type of installation	Indoor installation Enclosed outdoor
Relative humidity	90 % at 40 °C
Pollution degree	2
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Operating altitude	<= 3000 m
Standards	ICES-003 CSA C22.2 No 61010-1 IEC 61000-4-5 EN 55022 FCC part 15 class B IEC 61010-1 ANSI/TIA-568-A
Product certifications	UL
Width	13.19 in (33.5 cm)
Depth	2.17 in (5.5 cm)
Height	12.01 in (30.5 cm)
Net weight	8.82 lb(US) (4 kg)

Packing Units

Package 1 Weight	14.77 lb(US) (6.700 kg)
Package 1 Height	9.00 in (22.860 cm)
Package 1 width	16.00 in (40.640 cm)
Package 1 Length	17.00 in (43.180 cm)

Offer Sustainability

EU RoHS Directive	Will be compliant – Date to be confirmed
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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