



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	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

Display type	Backlit LCD
Messages display capacity	2 lines of 16 characters
Current transformer input	Solid core CT, 0.333 V x 24 (single pole) Solid core CT, 0.333 V x 12 (single phase) Solid core CT, 0.333 V x 8 (three phase) Split core CT, 0.333 V x 24 (single pole) Split core CT, 0.333 V x 12 (single phase) Split core CT, 0.333 V x 8 (three phase)
Measurement voltage	480...999000 V with external VT 80...480 V
Measurement accuracy	+/- 0.5 % of the measuring range
Number of inputs	2 pulse
Communication port protocol	Modbus TCP/IP BACnet IP FTP HTTP SNTP

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 support	RS232 SUB-D 9 Ethernet RJ45 Modem RJ11
Communication of data	Positive active energy Positive reactive energy Negative active energy Negative reactive energy Apparent energy Voltage

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...70 °C
Operating altitude	<= 3000 m
Standards	EN 55022 IEC 61000-4-5 IEC 61010-1 FCC part 15 class B ICES-003 ANSI/TIA-568-A CSA C22.2 No 61010-1
Product certifications	UL
Width	33.5 cm
Depth	5.5 cm
Height	30.5 cm
Product weight	4 kg

Contractual warranty

Warranty period	18 months
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