



Main

Range	PowerLogic
Product or component type	Multi-circuit energy meter
Product name	PowerLogic EM4900
Device short name	EM4904
Power monitoring	Basic instrumentation
Energy management	Sub billing and cost allocation Billing analysis
Device application	Sub billing
Type of measurement	Current per phase, rms Current average Phase angle Active power total Active power per phase Apparent power total Apparent power per phase Power factor average Power factor per phase Active energy
Metering type	Demand current I1, I2, I3, peak demand current IM1, IM2, IM3 Demand power P
[Us] rated supply voltage	100...277 V AC 50/60 Hz
Network frequency	60 Hz 50 Hz

Complementary

Sampling rate	256 samples/cycle
Current transformer input	12 solid core CT 0.333 V single pole 6 solid core CT 0.333 V single phase 4 solid core CT 0.333 V three phase 12 split core CT 0.333 V single pole 6 split core CT 0.333 V single phase 4 split core CT 0.333 V three phase
Measurement voltage	150...480 V AC 50/60 Hz between phases 90...277 V AC 50/60 Hz between phase and neutral
Measurement accuracy	Power +/- 0.5 % of the measuring range Energy +/- 0.5 % of the measuring range Current +/- 0.5 % of the measuring range Voltage +/- 0.5 % of the measuring range
Communication port protocol	Modbus RTU 9600, 19200, 38400 bps even/odd or none - 2 or 4 wires
Communication port support	RS485 screw block terminal
Data update rate	2 s Modbus) 14 s BACnet) 20 s SNMP)
Data recording	Maximum of demand current Maximum of demand active power Maximum of instantaneous current
Communication of data	High current alarm Low current alarm Under voltage alarm Total energy Over voltage alarm High-high current alarm Low-low current alarm
Communication service	Updating firmware

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Mounting mode	Wall mount
Installation category	III
Pollution degree	2
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Standards	UL 508 IEC 61010
Maximum Width	11.34 in (288 mm)
Maximum Depth	5.75 in (146 mm)
Net Weight	3.31 lb(US) (1.5 kg)

Ordering and shipping details

Category	09793 - PLOGIC BRANCH CIRCUIT BCPM & MCM
Discount Schedule	PL1
Nbr. of units in pkg.	1
Package weight(Lbs)	3 lb(US) (1.36 kg)
Returnability	No

Offer Sustainability

EU RoHS Directive	Compliant  EU RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.