



Main

Range	PowerLogic
Product or component type	Multi-circuit energy meter
Product name	PowerLogic EM4900E
Device short name	EM4928
Power monitoring	Basic instrumentation
Energy management	Billing analysis Sub billing and cost allocation
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	50 Hz 60 Hz

Complementary

Sampling rate	256 samples/cycle
Current transformer input	84 solid core CT 0.333 V single pole 42 solid core CT 0.333 V single phase 28 solid core CT 0.333 V three phase 84 split core CT 0.333 V single pole 42 split core CT 0.333 V single phase 28 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 wires Modbus TCP 9600, 19200, 38400 bps even/odd or none - 2 wires SNMP BACnet IP 10, 100 Mbits BACnet MS/TP
Communication port support	Spring connector RS485 RJ45
Data update rate	2 s Modbus) 14 s BACnet) 20 s SNMP)
Data recording	Maximum of demand active power Maximum of instantaneous current Maximum of demand current

Communication of data	Low-low current alarm Total energy Over voltage alarm High-high current alarm Low current alarm High current alarm Under voltage alarm
Web services	Web server
Communication service	Updating firmware

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	IEC 61010 UL 508
Maximum Width	9.96 in (253 mm)
Maximum Depth	12.09 in (307 mm)
Maximum Height	2.76 in (70 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)	12 lb(US) (5.44 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.