



H81xx-CB

Communications Board for H8100 Series Energy Meters

Features

- Easily network to existing systems via RS-485 connection
- Field-selectable parity: odd/even/none
- Works with 2-wire and 4-wire systems*
- Field-selectable baud rate: 2400, 4800, 9600, or 19200**
- Measure interval demand & sub-interval demand

*Does not apply to H8186-CB

**9600, 19200, 38400 for H8186-CB

With the optional Communications Board, H8100 Series Energy Meters connect easily to a control/data systems network. It reports energy and power diagnostic information including kW, kWh, kVAR, PF, Amps, Volts, and more.

The Communications Board is easy to install in the field. Onboard switches provide a convenient means of setting network configuration parameters such as parity, baud rate and network wiring (2-wire or 4-wire)*. Status LEDs provide quick confirmation of successful installation.

APPLICATIONS

- Commercial tenant submetering
- Performance contracting
- Cost allocation
- Real-time power monitoring via local display or through control/data acquisition systems

ORDERING INFORMATION

MODEL	DESCRIPTION
H8163-CB	Modbus Communications Board for H8100 Series
H8126-CB	N2 Communications Board for H8100 Series
H8186-CB	BACnet Communications Board for H8100 Series



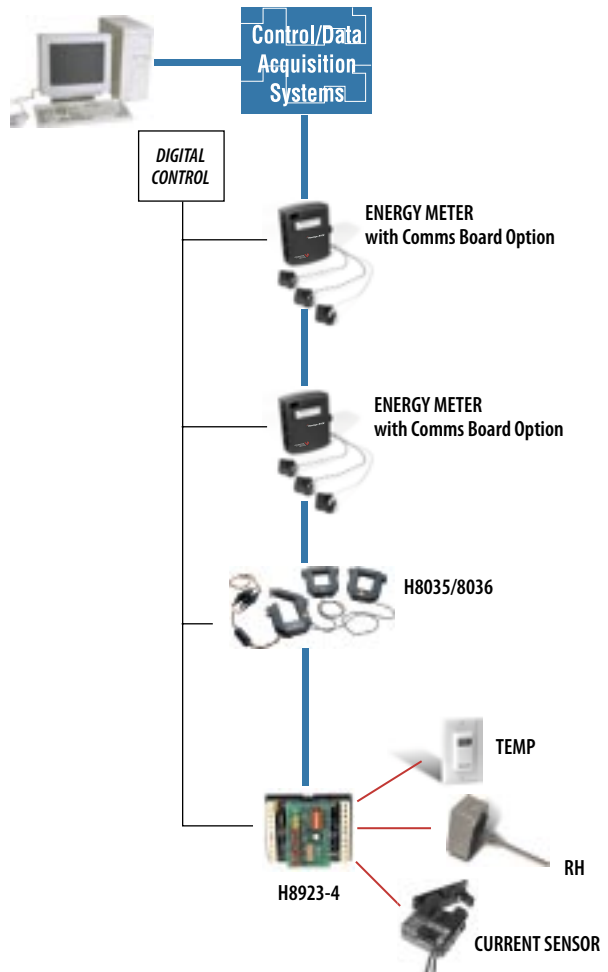
For other communication protocols, contact factory.
For Modbus to LON conversion, use H8163-CB and H8920-3 gateway.



 US UL 3111-1
E207042

Order H8126-CB

MODBUS APPLICATIONS/WIRING EXAMPLES



SPECIFICATIONS

Output Type:

H8163-CB	Modbus
H8126-CB	N2
H8186-CB	BACnet

Connection	2-wire or 4-wire, selectable
Baud Rate	2400, 4800, 9600, 19200 baud, selectable*
Parity	None/Odd/Even, Selectable
Address Range	1-63
Dimensions	2" (51mm) x 6" (152mm)

Inputs:

Demand Reset** Starts a new demand interval. Pulled-up to +5V via 4.7k. Contact closure or pull-to-ground. Edge-triggered

Data Output: kWh, Consumption
 kW, Real power
 kVAR, Reactive power
 kVA, Apparent power
 Power factor
 Voltage, line to line
 Voltage, line to neutral
 Amps, Average current
 kW, Real power ØA
 kW, Real power ØB
 kW, Real power ØC
 Power factor ØA
 Power factor ØB
 Power factor ØC
 Voltage, ØA to ØB
 Voltage, ØB to ØC
 Voltage, ØA to ØC
 Voltage, ØA to Neutral
 Voltage, ØB to Neutral
 Voltage, ØC to Neutral
 Amps, Current ØA
 Amps, Current ØB
 Amps, Current ØC
 Interval kW/kVAR Demand**
 User Selectable Sub-Interval Demand**

*9600, 19200, 38400 for H8186-CB

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