

H8932 & H8936

Modbus-to-Bridgepoint



The H8932/H8936 serves as a display for Modbus data. The product sits in series between downstream metering devices & the upstream master, providing a display of the data passing through it. Registers of the H8238, H8035, H8036, E50Cx, and E51Cx energy monitors can be viewed. The E30 and E31 meters are also supported, but the H8932/H8936 only presents a subset of the most important data points measured. The H8936 is enclosed in a box for easy installation, while the H8932 is available with no box for fast mounting to a panel.

SPECIFICATIONS

AC Power Source	120 Vac 50/60 Hz, line-to-neutral; internal fuse
Fuse Ratings	200 mA@250 5x20 mm Fast-Blow
AC Power Voltage Tolerance	(90 to 132 Vac) for 120 V
AC Power Frequency	50/60 Hz
AC Power Termination	2-position Euro-style pluggable connector (max. wire size 12 gauge)
Alternate DC Power Source	12 Vdc, 300 mA external current limiting required (auxiliary input disabled if line connected)
Terminal Block Torque	4.9 in-lb (0.56 N-m)
Operating Temperature Range	0 to 50 °C (32 to 122 °F); <95% RH non-condensing; indoor use only
Storage Temperature Range	-20 to 70 °C (-4 to 158 °F)

NETWORK COMMUNICATIONS

Interface	Downstream: RS-485; Upstream: RS-485, RS-232
Protocol	Modbus RTU
Baud Rate	UI-selectable 2400, 4800, 9600, 19200
Parity	UI-selectable NONE, ODD, EVEN
Communication Format	8 data bits, 1 start bit, 1 stop bit
RS-485	¼ load transceivers; duplex is UI-selectable 2-wire or 4-wire; 5-position Euro-style pluggable connector
RS-232 (Upstream Only)	DCE, no handshaking; DB-9 connection; pin 2: transmitted data from display; pin 3: received data to display; pin 5: ground
Terminal Block Torque	4.4 in-lb (0.5 N-m)

Pass-through communications

Pass-through communications to other Modbus® devices

Monitor from a single location

Monitor a variety of Veris power transducers from a single location

Multi-color LED

Shows alarm status at a glance

Simple setup

Easy keypad setup

Large LCD

1" x 4" backlit LCD with adjustable brightness control for easy viewing

Report Slave ID

Other Modbus devices must respond to the "Report Slave ID" command (11h) to allow pass-through communications from upstream network

APPLICATIONS

- Allocating load-based costs
- Managing loads
- Overload protection
- Collecting energy data
- Tenant submetering

UI-SWITCH INPUTS

Number/Function	Four (METER, UP, DOWN, SELECT)
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AUXILIARY INPUT (REMOTE ALARM)

Type	Contact closure or pull-to-ground (10 mA max.)
Isolation	Optical to 2500 Vac
Sense	UI-selectable N.O. or N.C. (i.e. Closed = Alarm or Open = Alarm)
Terminal Block Torque	3.5 to 4.4 in-lb (0.4 to 0.5 N-m)

LCD

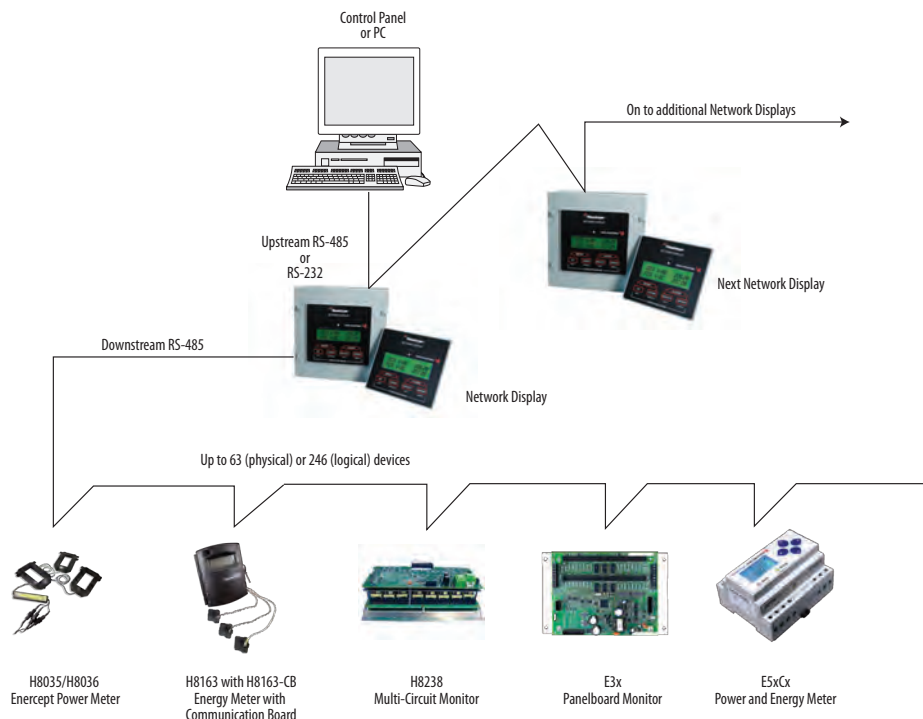
Size	1" x 4" visible area, 2 lines x 16 characters per line
Backlight	Green, UI-adjustable brightness in 10 steps
Status (Tri-Color LED)	Green = normal operation; Yellow = warning; Red = alarm

WARRANTY

Limited Warranty	5 years
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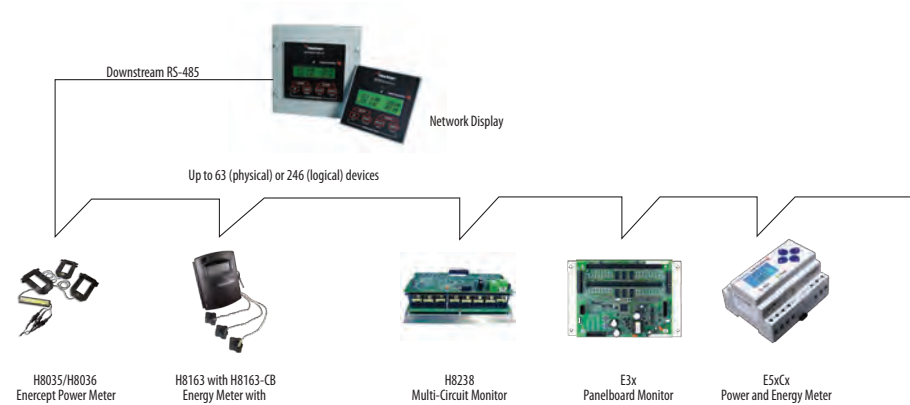
NETWORK HOST MODE

Application Example

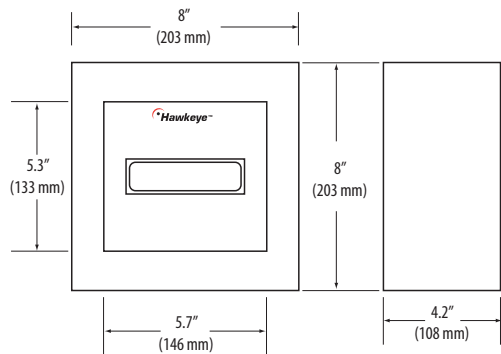


LOCAL DISPLAY MODE

Application Example



DIMENSIONAL DRAWING



ORDERING INFORMATION

MODEL	DESCRIPTION
H8936	Modbus network display enclosed in NEMA box
H8932	Modbus network display panel mount, no box