

Network Display

Modbus Bridgepoint



DESCRIPTION

The H8936 and H8932 serves as a display for Modbus data. The product sits in series between downstream metering devices and the upstream master, providing a display of the data passing through it. Each register of the H704, H663, H8238, H8035, and H8036 energy monitors can be viewed. The H8936 is enclosed in a box for easy installation, while the H8932 is available with no box for fast mounting to a panel.

APPLICATIONS

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

FEATURES

- Large 1" x 4" backlit LCD with adjustable brightness control for easy viewing
- Multi-color LED shows alarm status at a glance
- Pass-through communications to other Modbus® devices*
- Easy keypad setup
- Monitor a variety of Veris power transducers from a single location

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

SPECIFICATIONS



AC Power Source	Dedicated 120VAC, line-to-neutral. Fused. 200mA@250 Vx20 mm Fast-Blow
AC Power Voltage Tolerance	(90-132VAC) for 120V
AC Power Frequency	50/60 Hz
AC Power Termination	2-position Euro-style pluggable connector (max. wire size 12 gauge)
Alternate DC Power Source	12VDC, 300mA unfused (auxiliary input disabled if line connected)
Operating Temperature Range	0° to 50°C (32° to 122°F); <95% RH noncondensing
Storage Temperature Range	-20° to 70°C (-4° to 158°F)

Upstream Network Communications:

Interface	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	1/4-load transceivers; Duplex is UI-selectable 2-wire or 4-wire; 5-position Euro-style pluggable connector
RS-232	DCE, no handshaking; DB-9 connection; pin 2: Transmitted Data from H8936; pin 3: Received Data into H8936; pin 5: Ground

Downstream Network Communications:

Interface	RS-485
Protocol	Modbus RTU
Duplex	UI-selectable 2-wire or 4-wire
Load	1/4-load transceivers
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
Termination	5-position Euro-style pluggable connector

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 2500VAC
Sense	UI-selectable N.O. or N.C. (i.e. Closed = Alarm or Open = Alarm)

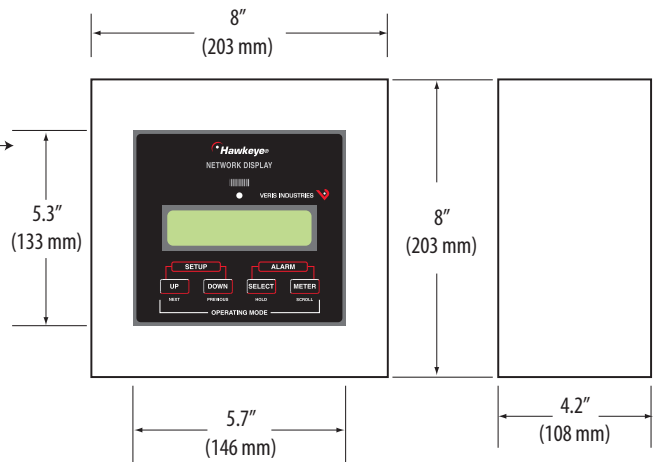
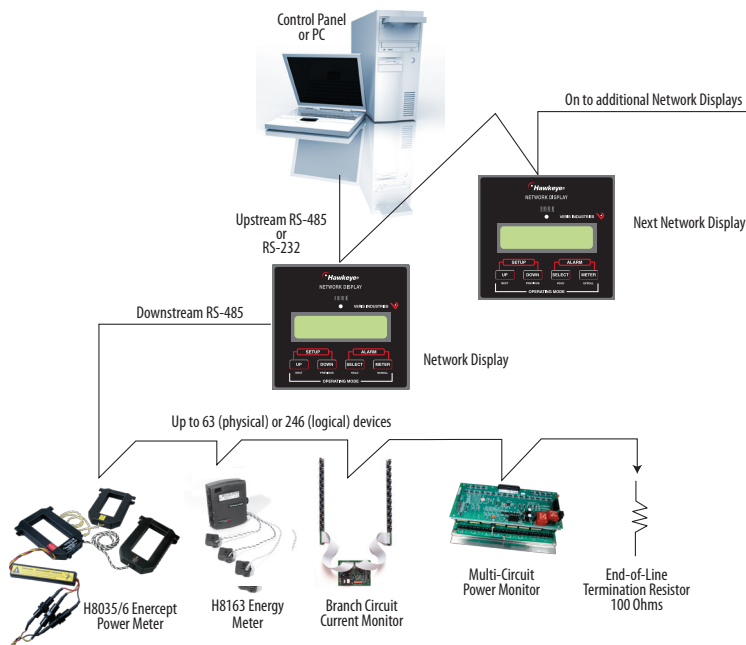
LCD:

Size	1" x 4" visible area, 2 lines x 16 characters per line
Backlight	Green, UI-adjustable brightness in 10 steps

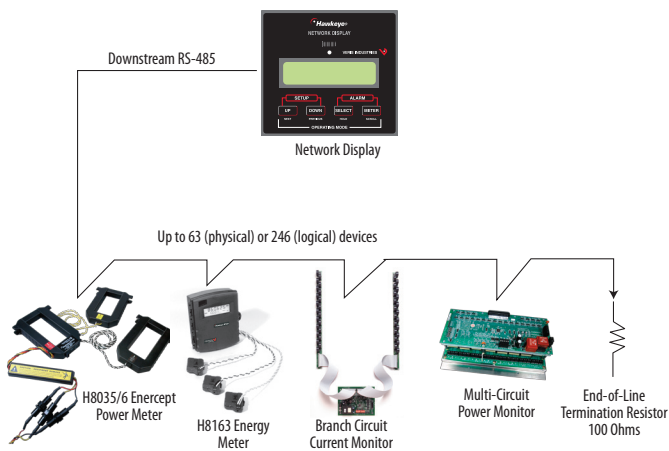
APPLICATION/WIRING EXAMPLES

DIMENSIONAL DRAWING

Network Host Mode



Local Display Mode



ORDERING INFORMATION

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

Other protocols are available. Consult factory.