INTEGRAL MONITORING SOLUTION ELIMINATES THE NEED FOR SEPARATE ENCLOSURES

5 Year Warranty

U.S. Patent No. 6,373,238

H8035

Great for kW and kWh applications

H8036

Outputs 26 energy variables including kW, kWh, volts, amps, and power factor

Enercept® Networked Power Transducers (Modbus® RTU)

The **Enercept H8035/8036** are innovative three-phase networked (Modbus RTU) power transducers that combine measurement electronics and high accuracy industrial grade CTs in a single package. The need for external electrical enclosures is eliminated, greatly reducing installation time and cost.

There are two application-specific platforms to choose from. The Basic Enercept energy transducers (H8035) are ideal for applications where only kW and kWh are required. The Enercept Enhanced power transducers (H8036) output 26 variables including kW, kWh, volts, amps, and power factor, making them ideal for monitoring and diagnostics.

Color-coordination between voltage leads and CTs makes phase matching easy. Additionally, the Enercept automatically detects and compensates for phase reversal, eliminating the concern of CT load orientation. Up to 63 Enercepts can be daisy-chained on a single RS-485 network.

APPLICATIONS

- Energy managing & performance contracting
- Monitoring for commercial tenants
- Activity-based costing in commercial and industrial facilities
- Real-time power monitoring

The world's most cost-effective power transducer

- Monitor energy parameters (kW, kWh, kVAR, PF, Amps, Volts) at up to 63 locations on a single RS-485 network...greatly reduces wiring time and cost
- Fast split-core installation eliminates the need to remove conductors...saves time and labor
- Precision electronics and current transformers in a single package–reduces the number of installed components– huge labor savings
- Smart electronics eliminate CT orientation concerns–fast trouble-free installation

High accuracy

- ±1% total system accuracy, (10% to 100% of CT rating)

SPECIFICATIONS

Input Primary Voltage	208 to 480VAC RMS††
Number of Phases Monitored	One to Three
Frequency	50/60Hz
Primary Current	Up to 2400 amps cont. per phase††
Internal Isolation	2000VAC RMS
Insulation Class	600VAC RMS†††
Temperature Range	0° to 60°C (32° F to 140°F), 50°C (122°F) for 2400A
Humidity Range	0 - 95% non-condensing
Systems Accuracy	±1% of reading from 10% to 100% of the rated current of the CTs...accomplished by matching the CTs with electronics and calibrating them as a system
Output Physical Characteristics	RS-485, 2 wire + shield
Baud Rate	9600, 8N1 format
Protocol	Modbus RTU**(*)

*** Detailed protocol specifications are available at: http://www.veris.com/modbus/*
** Other protocols available. Please consult factory.*
†† Contact factory to interface for voltages above 480VAC or current above 2400 Amps.
††† Do not apply 600V Class current transformers to circuits having a phase-to-phase voltage greater than 600V, unless adequate additional insulation is applied between the primary conductor and the current transformers. Veris assumes no responsibility for damage of equipment or personal injury caused by products operated on circuits above their published ratings.

H8035 Data Output Specifications

Data Output	kWh, kW

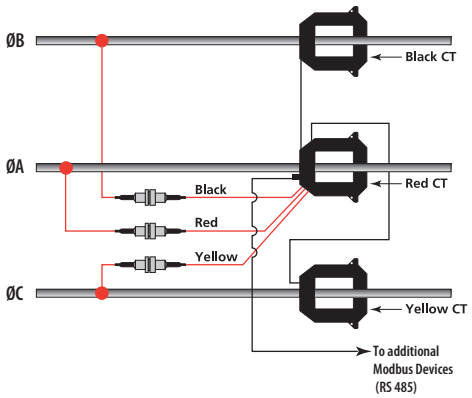
H8036 Data Output Specifications

Data output:
kWh, Consumption
kW, Real Power
kVAR, Reactive power
kVA, Apparent power
Power factor
Average Real power
Minimum Real power
Maximum Real power
Voltage, line to line
Voltage, line to neutral†
Amps, Average current
kW, Real power ØA†
kW, Real power ØB†
kW, Real power ØC†

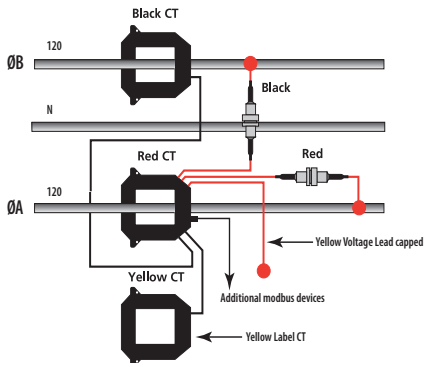
† Based on derived neutral voltage.

APPLICATION/WIRING EXAMPLES

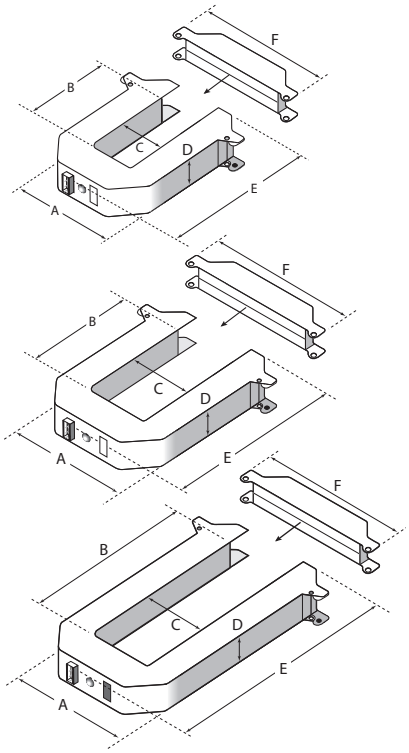
208 or 480VAC 3Ø, Installation



240VAC 1Ø, 3-Wire Installation



DIMENSIONAL DRAWINGS



	SMALL 100 Amp 300 Amp		MEDIUM 400 Amp 800 Amp		LARGE 800 Amp 1600 Amp 2400 Amp	
A =	3.8"	(96 mm)	4.9"	(125 mm)	4.9"	(125 mm)
B =	1.5"	(38 mm)	2.9"	(73 mm)	5.5"	(139 mm)
C =	1.3"	(31 mm)	2.5"	(62 mm)	2.5"	(62 mm)
D =	1.1"	(29 mm)	1.1"	(29 mm)	1.1"	(29 mm)
E =	3.9"	(100 mm)	5.2"	(132 mm)	7.9"	(201 mm)
F =	4.8"	(121 mm)	5.9"	(151 mm)	5.9"	(151 mm)

ORDERING INFORMATION

Modbus Basic Power Transducers*

MODEL	MAX. AMPS	CT SIZE
H8035-0100-2	100	SMALL
H8035-0300-2	300	SMALL
H8035-0400-3	400	MEDIUM
H8035-0800-3	800	MEDIUM
H8035-0800-4	800	LARGE
H8035-1600-4	1600	LARGE
H8035-2400-4	2400	LARGE

**H8035 models work with H8920-5 LON nodes*

LISTED 44XJ UL 508 c UL us E212445

Modbus Enhanced Data Stream Power Transducers*

MODEL	MAX. AMPS	CT SIZE
H8036-0100-2	100	SMALL
H8036-0300-2	300	SMALL
H8036-0400-3	400	MEDIUM
H8036-0800-3	800	MEDIUM
H8036-0800-4	800	LARGE
H8036-1600-4	1600	LARGE
H8036-2400-4	2400	LARGE

**H8036 models work with H8920-1 LON nodes*

ACCESSORIES

CT Mounting brackets...see page 220.
H8920 LON nodes...see page 102.

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Summary: Report electronically filed by Mr. Ryan E Glenn on behalf of 4550 Lena Drive, LP and BERRY, LINDA MRS.