# **H8920-5** Enercept® H8035 to LonTalk® Integration Node



Open protocol standards are a priority for building owners today, so many manufacturers have responded with Lon® and Bacnet® based control systems to meet the need. New customer choices in the deregulated energy market play a role as well, by making energy information a critical part of the energy consumer's decision-making process.

To answer the need for cost-effective energy information, Veris Industries developed the Enercept® series of power meters. These unique meters with the electronics built inside of compact, industrial grade current transformers can now be connected to LonWorks® networks through the H8920-5. Couple the simplified installation of H8035 Modbus® power meters to the flexible H8920 platform and realize installation savings of up to 70% when compared to "standard" power transducers.

The H8920-5 Lon integration node provides the preconfigured bridge between the two energy variables available from Enercept Basic power meters and your Lon network controller via indexed or bound methods.

Using an indexing method, the H8920-5 reports data from up to sixty-three H8035 Enercept power meters on the downstream Modbus network. Just select the Modbus address of a specific meter with a plug-in configuration tool, or send an input variable to the network. Acquire and record the desired data, and move on to select another meter. The H8920-5 can also be dedicated to a single H8035 to function in a bound network.

### **Applications**

- Submetering for commercial tenants... allocate costs
- Energy management and performance contracting
- Load shedding and demand control
- Activity based costing in commercial and industrial facilities

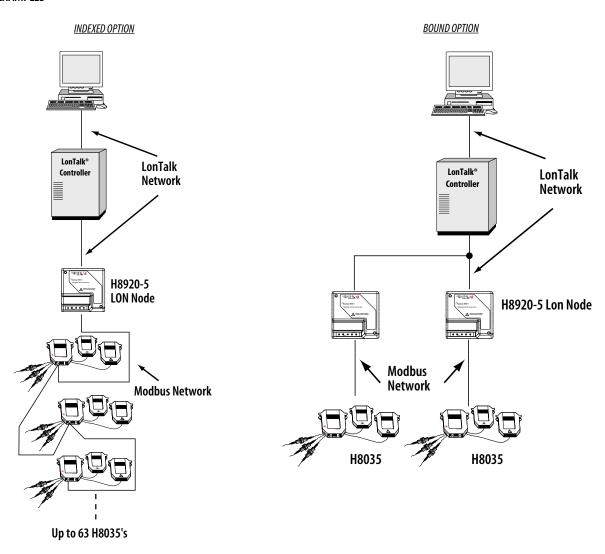
#### Easy Integration to Echelon networks

- The H8920-5 is pre-configured to pass the data points acquired by H8035 Basic Data Stream Meters to a Lon controller
- Easy cost-effective connectivity to LonWorks systems... makes open connectivity possible
- Flexible mounting and wiring options save time and money

## ORDERING INFORMATION

| MODEL   | DESCRIPTION                           |
|---------|---------------------------------------|
| H8920-5 | Enercept to LonTalk® integration node |

### **APPLICATION EXAMPLES**



#### **SPECIFICATIONS**

| LonWorks Network             | Free topology transceiver, 78 kbps |
|------------------------------|------------------------------------|
| Modbus Network               | RTU 9600 BAUD, 8N1 format          |
| Meter Data Network Variables | kWh, Consumption; kW, Real power   |
| Input Power                  | 16-24VAC/DC, 100mA (max.)          |
| Temperature Range            | 0 to 60°C                          |
| Humidity Range               | 0 - 95% non-condensing             |

†Based on derived neutral

### **DIMENSIONAL DRAWINGS**

