

## Features

- Reads & records up to 8 or 16 E-Mon D-Mon Electric meters.
- IDR-ST model can accept contact closure type pulse inputs from other types of meters (water, gas, BTU, steam, etc.)
- RS-485 communications capability supports the following connection configurations (or combinations not to exceed 52 devices per channel):
  - Up to 52 IDR-8 interval data recorders
  - Up to 26 IDR-16 interval data recorders (IDR-16 counts as two devices)Cabling can be either daisy-chain or star configuration, 4-conductor, 24-26 AWG, up to 4,000 cable feet total per channel.
- Communication Options
  - RS-232/RS-485 (Standard)
  - Telephone Modem
  - Ethernet
  - Modbus RTU or Modbus TCP/IP
  - BACnet IP or BACnet MS/TP
  - LONworks TP (Twisted Pair)
- Internal data storage-36 days of 15-minute intervals. Maintains last 36 days of data.
- Reads kWh (kilowatt-hours) and reads kW (Demand) in 15, 30 or 60-minute kW periods.
- Standard IDRs do not require a separate power source (power supplied by E-Mon D-Mon electric meters.) IDR-ST models require a separate 120V power source (included with IDR-ST models.)
- Maintains data in case of power outage.
- Industrial-grade JIC steel enclosure with padlocking hasp and mounting flanges. (For indoor use only.)
- Three 1 1/16" knockouts (3/4" conduit) on bottom of enclosure.
- IDR data accumulators can be mounted on the inside back wall of the MMU cabinet and shipped from the factory in one complete package.
- MV-90 compatible.



Dim: 9 1/2" H x 6 3/4" W x 3 3/4" D

## Model Numbers

IDR-8 (Up to 8 meters)

IDR-16 (Up to 16 meters)

\*For optional screw terminals in place of all RJ jacks add suffix ST to the model number.

Example: IDR-8-ST

\* For IDR-16 with 8 RJ jacks and 8 screw terminals add suffix RJST to the end of the model number. Example: IDR-16-RJST

## Built-In Communication Options

Telephone Modem (Suffix M)

Ethernet Communication (Suffix E)

Modbus RTU Communication (Suffix RTU)

\*Modbus TCP/IP Communication (Suffix ERTU)

\*BACnet IP Communication (Suffix EB)

BACnet MS/TP Communication (Suffix B)

LONworks TP Communication (Suffix LTP)

\* Modbus TCP/IP and BACnet IP communicate over Ethernet. No RS-485 daisy-chain capabilities with Modbus TCP/IP & BACnet IP. Each IDR must connect directly to the BACnet/Modbus backbone and have a unique IP address.