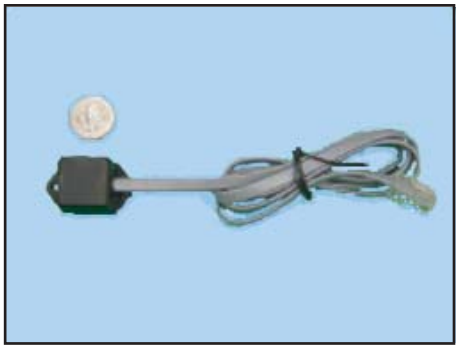
# Temperature Module

E-Mon D-Mon
Energy Monitoring Products & Systems

## Features

The E-Mon D-Mon® Temperature Module is designed to work with the E-Mon D-Mon IDR (Interval Data Recorder). The device plugs into one of the RJ-45 modular ports on the IDR.



Temperature data is sent to the IDR as a frequency and the pulses are stored in 5- or 15-minute intervals. This data can then be utilized to determine the average temperature during these intervals.

Encapsulation allows the Temperature Module to be installed indoors or outdoors. Cable extendibility of up to 100 feet adds flexibility and presents increased mounting options.

The Temperature Module can be used to determine the average outdoor temperature when it is necessary to accurately compare present energy usage against historical data without having to rely on regional data supplied by the weather service, which may not correlate with your specific location. It is also useful when it is important to monitor the inside temperature of an electrical room for maintenance or observation.

### Model Numbers

TEMPMOD

## Specifications

| | |
|---|---|
| Temperature Range | -20 to +80 Degrees C |
| Accuracy | +/- 1 Degree C (0-75C) |
| Vcc Supply | +4.5 to 5.5 Vdc |
| Idd | <250uA |
| Cable Length | Max. 100 feet |
| Termination Connector | RJ-45 |
| Mounting Configuration | Flange Mount |
| Output Frequency Range | 7.6 to 11.04 Hz |
| Output Pulse | |
| Duty Cycle | 50% |
| Amplitude | 5V Square Wave |
| Rise Time | 2.5uS |
| Fall Time | 2.5uS |
| IOL/IOH | .36mA |
| Thermal Time Constant | |
| 25C to 50C | 20 Seconds |
| 50C to 75C | 40 Seconds |
| 75C to 100C | 140 Seconds |
| -30C to +25C | 120 Seconds |

# Temperature Module
## Installation Overview

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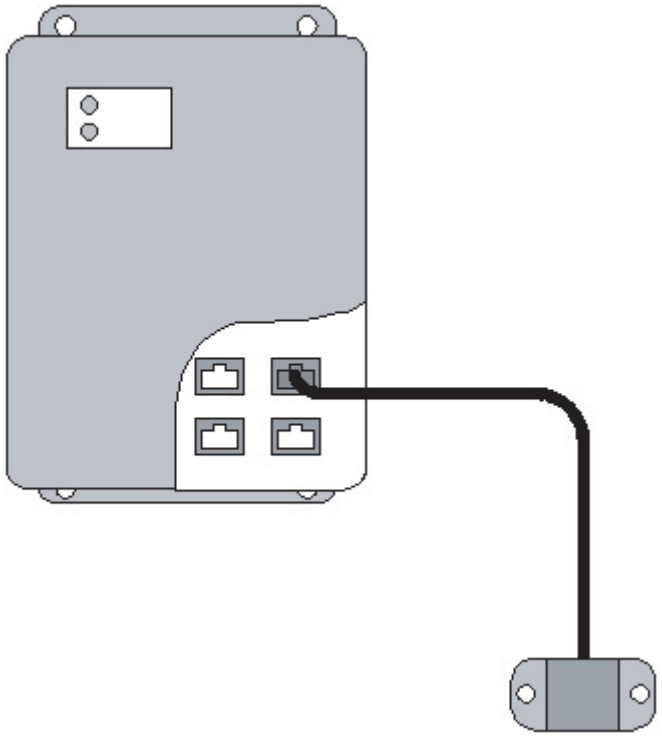
The E-Mon D-Mon® Temperature Module can be inserted into any one of the RJ-45 modular jacks located on the Interval Data Recorder.

IDR



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