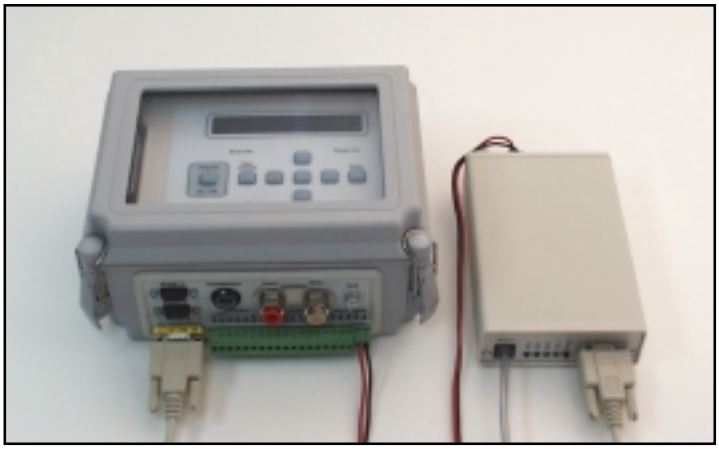
WATERLOG® SERIES

Model H-260 e-Modem

The *WATER*LOG® H-260 e-Modem is used with the XL Series Data Loggers to send collected data from the field via Internet E-mail.



KEY FEATURES

- Works with land-line or cellular phones.
- Internal power manager turns off the modem and cell phone when not in use.
- Contains internal TCP/IP stack, supports SMTP E-mail protocol, internal PPP client with PAP, CHAP and SCRIPT authentication protocols.
- No modems or special equipment is needed in the central office. Data arrives imbedded in an E-Mail and can be collected and processed with a simple application program.
- The E-mail data can be sent up to three different E-mail addresses using a carbon copy feature.

DATA LOGGER INTERFACE

- Interfaces with H-350XL, H-500XL and H-510XL data loggers.
- Transmissions can be based on programmable intervals and/or alarm conditions.

System Operation

The H-260 facilitates automated collection of data to an office E-mail account. No specialized central site equipment is needed. Many Internet service providers support concurrent log-ins, allowing multiple remote sites to share the same dialup service.

The H-260 has an internal modem, Internet engine, and power manager. The modem has a DAA, controller and supports the standard AT command set. The Internet engine acts as the mediator device between the data logger and the Internet. It provides all Internet connectivity and standard protocols, and relieves the data logger from the burden of handling Internet communications. The power manager monitors RS-232 communications from the data logger and the telephone ring detect. It turns the power on for the modem, E-mail engine and cell phone whenever these resources are needed.

To provide remote setup and access, the H-260 can automatically answer inbound telephone calls and awaken the data logger. To save power and still provide remote setup access, the data Logger can instruct the H-260 to power up the cell phone for a fixed daily period. For example, the cell phone could be powered for 30 minutes at a certain time each day. During this interval you can access the Data Logger via the cell phone modem.

SPECIFICATIONS

ENVIRONMENT

Temperature

Standard Operating Range: -25 to 60EC
Compensated Range: -25 to 60EC
Storage: -40 to +80EC

INTERFACE

RS-232 Input/Output

Baud Rate: 9600
Protocol: RS-232C

Telephone

Connector: Standard RJ-11 modular
Approval: FCC part 68
Ring Detect: Line powered

Power

Input Voltage: +9.0 to 16.0 Volts DC
Standby Current (H-260): 220FA
Standby Current (H-260 + cell phone): 1.2mA
Standby Current (H-260 + cell phone on): 115mA
Operating Current (land line): 230mA
Operating Current (H-260+cell phone on): 336mA
Operating Current (H-260+cell phone xmit): 730mA

Cell Phone Interface

Type: Power sense input and pulsed on/off output control for Motorola OEM cellular phone

Internet Protocols

PPP, LCP, ICP, IP, TCP, UDP, DNS, SMTP, POP3, HTTP, and PAP, CHAP OR SCRIPT authentication

Mechanical Data

Size: 4c x 7¼ x 1e inches
Weight: 1.0 lbs.

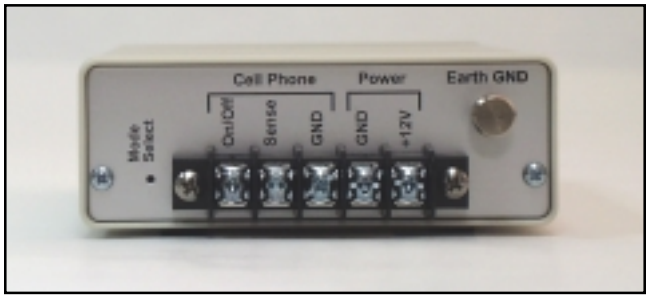
Miscellaneous

Warranty

The *WATERLOG*® H-260 is warranted against defects in materials and workmanship for one year from date of shipment.

Note

Specifications subject to change without prior notice due to on going commitment to product testing and improvement.
May, 2001



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