International Submarine Engineering Ltd.

Water Alarm Monitoring Board

Description/Features

The ISE Water Alarm Monitoring board can monitor up to 8 water alarm sensors simultaneously, 2 RTD channels, ambient temperature, humidity, and absolute pressure.

The Water Alarm board can communicate over RS232, 2 Wire RS485, CAN bus, and Ethernet. The board can be configured to send data over any of the communication channels or to relay serial data.

The Water Alarm board is designed for use with ISE Water Alarm sensors and Pt 1000 RTD sensors, and includes integrated humidity, pressure, and temperature sensors for monitoring ambient environmental conditions.

Use of some communication channel combinations may require custom firmware, available on request.

Specifications

Serial Communication Parameters:
Baud Rate: 9600 to 115200 bps
Data Bits: 7, 8
Stop Bits: 1, 2
Parity: None, Even, Odd
Flow Control: None
Serial Signals:
RS232: Tx, Rx, GND
RS485-2w: A+, B-, GND
Ethernet Communication Parameters:
Speed: 10/100 Mbps
Connector: RJ45

External Sensors
ISE Water Alarm Channels: 8
RTD Channels (Pt1000): 2
Onboard Sensors:
Humidity: 0%-100% non-condensing
Temperature: -40 – +85 °C
Pressure: 0 – 200 kPa
Environmental:
Operating Temperature: -20 – +60 °C
Storage Temperature: -40 – +85 °C
Power Requirements:
Voltage: 9-18 VDC (12VDC nominal)
Current (@12V): 100 mA
Power: 1.2 W
Fuse: Littelfuse 0157001.DR

Ordering Information:

P/N: CEP-11-007

International Submarine Engineering Ltd.
Port Coquitlam, B.C., Canada
604.942.5223
info@ise.bc.ca

1734 Broadway St., Port Coquitlam
B.C., Canada, V3C 2M8

info@ise.bc.ca
www.ise.bc.ca

Phone: +1 604-942-5223
Fax: +1 604-942-7577