



# Series 4400

## Critical Alarm & Multi-Channel Process Monitor

Like its Series 4000 Alarm Monitor predecessors, the **Series 4400 Critical Alarm & Multi-Channel Process Monitor** provides a direct process reading and multi-channel monitoring of process systems. Utilizing the latest in microprocessor technology the Series 4400 offers high performance, flexibility, high reliability and superior specifications.

With a wide range of inputs, flexible output capability and field proven reliability, the Series 4400 offers the end user unlimited options for monitoring, recording and reporting on all categories of critical process systems.

- The Series 4400 is available in 6, 12 and 24 channel versions mounted in a DIN Enclosure which can be ordered with rack or panel mounting options. Channel cards can be ordered and added as needed
- Each Channel card provides “Continuous/Autonomous” monitoring of 2 conventional threshold set points, with the added feature of independent “rate-of-change” alarm and “early indication” of problems. Each will accept a wide range of inputs and has single channel integrity.
- Internal Central Monitor card supervises each Channel card. Interconnection is via the Lonworks Echelon bus system.
- Hardware and password security to prevent unauthorized tampering.
- Simple, quick configuration setup via front panel programming.
- The optional MMI Interface software allows for system configuration via PC communications along with data logging, trend display and event logging.
- Can be used as a standalone unit or linked with other Series 4400's via the RS323/RS485 option.
- External communications via Modbus™ for easy integration into large DCS/Scada Systems.

### SERIS 4400 INPUTS: Any Combination Accepted

RTD	RANGE
Ohm	0 to 450 Ohms
Pt100 $\propto 0.0385\Omega/^\circ$	-200°C to 850°C
Pt100 $\propto 0.0385\Omega/^\circ$	-200°C to 645°C
Ni120	-70°C to 300°C
Cu10	-50°C to 250°C
Cu30	-50°C to 25°C
Pt20	-50°C to 25°C
THERMOCOUPLE	RANGE
J	-180°C to 750°C
K	-180°C to 1250°C
T	-200°C to 400°C
E	-60°C to 1000°C
N	-0°C to 1210°C
R	-0°C to 1600°C
S	-0°C to 1560°C
L	-200°C to 900°C
U	-200°C to 600°C
INPUT	RANGE
Ohms	0 to 450 Ohms
Millivolt	-10mV to 100mV
Volt	0V to 1V, 0V to 5V & 1V to 5V
Milliamp	4ma to 20mA, 0mA to 10mA & 0mA to 20mA

## Applications

- Temperature Monitoring
- Vibration Monitoring
- Pressure Monitoring
- Flow Monitoring
- Pump Performance Monitoring

