

PLUG-IN SIGNAL CONDITIONERS



SINGLE ALARM

FEATURES:

- Isolate, Amplify and Convert Measurement Signals
- Quick-Check LED Output Indication (Most Models)
- 5 Amp, 230VAC Relay Contacts
- Plug-In: Replace without Rewiring
- Industry-Standard Printouts
- DIN/Surface/Track Mount Sockets Available
- AC and DC Powered Models Available
- Seven Year, Full Replacement Warranty

These Transmitters and Alarms amplify, translate, isolate, and alarm on most standard transducer signals as well as DC, AC and frequency inputs. Used in a variety of industrial and process applications, they provide low-cost answers to many measurement, monitoring and control needs.

The broad product range covers most standard transducers as well as some not-so-standard, such as thermistors and IC temperature sensors. All transmitters are available with optional input/output isolation, providing 1,000 Vrms isolation and better than 0.05% linearity. Red/green LEDs indicate alarm status and, on most transmitter models, provide a quick check of the output level.

Proven designs using low-drift ICs and circuitry provide accurate, stable operation. Quality and reliability are enhanced by 100% burn-in and are backed by a seven-year, full replacement.

Available options include AC or DC power, reverse-acting outputs, and urethane coating.

SPECIFICATIONS:

| | | | |
|------------------|---|-------------|--|
| Transmitter | Voltage: | Relay | Single Alarm, DPDT (2 form C) |
| Outputs: | 0/1v min, -10/+15v max | Contacts: | Dual Alarm, one SPDT (1 form C) per trip point |
| | Current: | | 5A max resistive @ 115/230Vac or 30Vdc, 1/8HP max AC inductive |
| Accuracy: | 0/1mA min, 0/25mA max | Set Point | 0% to 100% of range, with 0.1% resolution |
| | ±0.1% of span or better (AC inputs ±0.5% of span) | Adjustment: | 0.25% to 100% of range |
| Temp. Stability: | ±0.02%/°C or better, -10 to +60°C | Deadband | |
| Isolation: | Input/Output (optional) | Adjustment: | |
| | -1,000Vac rms | Power: | AC: 115 or 230Vac, 2.5VA |
| | Power -1,500Vac rms | | DC: 12 or 24Vdc, 2.5W |

STANDARD TRANSMITTERS AND ALARMS:

| INPUTS | TRANSMITTERS | | ALARMS | |
|--------------------|--------------|----------------|---------------|---------------|
| | Nonisolated | I/O Isolated | Single Trip | Dual Trip |
| DC (mV, V, mA, A) | JH4010 | JH4300 | JH1000 | JH1020 |
| DC (mV, low drift) | JH4050 | JH4310 | (Option S) | (Option S) |
| AC (mV, V, mA, A) | (special) | JH6010I, 6020I | JH1600 | JH1620 |
| Thermocouple | JH4100 | JH4130 | JH1200 | JH1220 |
| RTD | JH4001 | JH4001I | JH1400 | JH1420 |
| Thermistor | JH4005, 4006 | JH4005I, 4006I | JH1300, 1300L | JH1320, 1320L |
| IC Sensor | JH4007 | JH4007I | JH1350 | JH1370 |
| Potentiometer | JH4003 | JH4003I | JH1800 | JH'820 |
| Strain Gauge | JH4051 | JH4051I | JH1500 | JH1520 |
| Frequency | JH7010 | JH7010I | JH1700 | JH1720 |



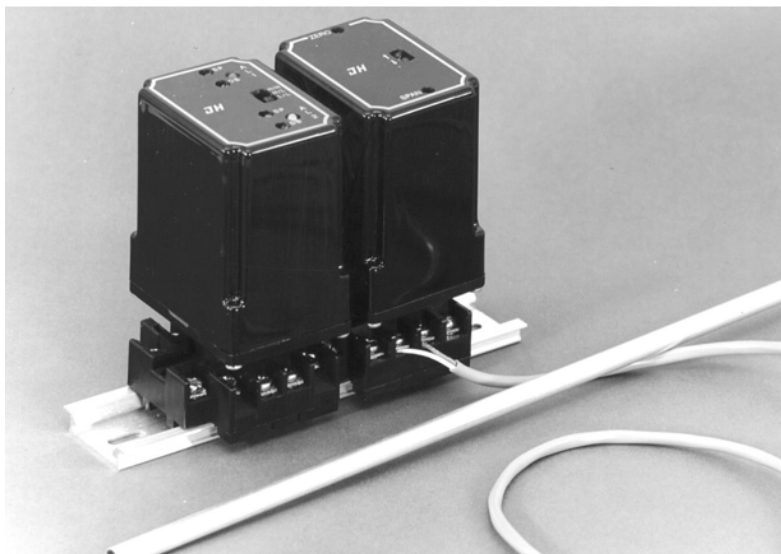
TRANSMITTER

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ADDITIONAL PRODUCTS:

- Switch-Selectable Inputs
- Loop Power for 2 Wire Transmitter
- Add, Subtract
- Multiply, Divide
- Square, Square Root
- Power Supply

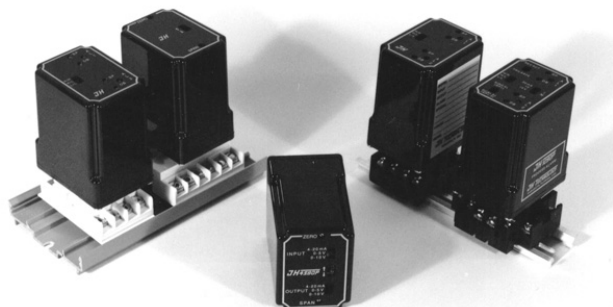
Special-function modules complement the product line, providing the “glue” often needed to complete your system requirements. Process Input Transmitters and Alarms provide top-access switches, allowing the user to select 0-5V, 0-10V or 4-20mA inputs and outputs. Alarms may be set for HI/LO or LO/LO trip, or switch to act as single-trip alarms. Loop-Input modules include 24V regulated excitation to power 4-20mA two-wire input sources.



GROUP with PROBE

Flow computations, averaging, ration measurement and other functions are made possible using the Math Function modules.

| FUNCTIONS | TRANSMITTERS | | ALARMS | |
|--|---------------|-----------------|--------------|--------------|
| | Nonisolated | I/O Isolated | Single Trip | Dual Trip |
| DC Process Inputs (Switchable Selectable) | | JH4380P | | JH1090P |
| Loop Input (4-20mA with 24V excitation) | JH4015 | JH4305 | JH1005 | JH1025 |
| 4-20mA Isolator (Low Cost) | | JH4300C | | |
| Add, Subtract | JH4400 Series | JH4400I Series | JH1100 (A,S) | JH1120 (A,S) |
| Multiply, Divide | JH4410, 4420 | JH44410I, 4420I | JH1100 (M,D) | JH1120 (M,D) |
| Square, Sq. Root | JH4430, 4440 | JH4430I, 4440I | (special) | (special) |



GROUP

“ASK ABOUT SPECIALS”

Your needs often can be met by simple internal changes, with little impact on either price or delivery. If you don't see what you need, please give us a call. We'll work with you to find a solution.