Model iT401 4-20mA Alarm Module



The *iT*401 is the first alarm module designed to work with any 4-20mA Loop-Powered device and/or the *iT*-series sensor signal-conditioning modules, providing easily-programable relay activation for use in condition-based monitoring or process control.

Digital technology, along with simple face-panel push-buttons and a bright digital display means never having to open the unit to alter setpoints. Memory allows user to decide to keep changes permanently, or restore manufacturer defaults.

FEATURES:

- 35 mm DIN rail mount
- Front-panel tactile membrane switches
- Front-panel 7-segment LED displays
- TBUS connection to iT-Series modules
- Digital Processing
- Relays have over 2,000 VAC isolation
- Mounts adjacent to iT-Series transmitter modules
- External alarm contacts for signal or BOV faults
- Alternate direct 4-20mA signal input

BENEFITS:

- No need to make external wiring connections to other iT-Series modules
- Front-panel switches give access to all settings
- No need to open case to change alarm settings
- · Alarm relays can directly control AC or DC loads
- Relay high voltage isolation protects module circuits
- Front panel digital display of input loop level during running conditions
- Front panel digital display of alarm setpoints during programming setup
- Can be used with any 4-20mA loop signal or sensor
- Has capability to activate/reset any relay based on errors (such as loss of 4-20mA signal or iT-Series communiction)
- LED displays operate faster than LCD(liquid-crystal) displays, are brighter, and operate over entire industrial temperature range



ACCESSORIES SUPPLIED:

(1) iT 032 TBUS Connector for iT 401 module

(4) *iT* 042 4-Position Wire Connectors

OPTIONAL ACCESSORIES:

iT 042 4-position spare wire connector for iT401module

iT 033, iT 034, iT 035 TBUS (power) wiring connectors for use with non-iT 100/200/300 series transmitter modules

NOTES:

- ¹ The three front panel alarm status LED displays are tri-color, red, yellow and orange; are illuminated when that alarm is "On" with color indicating whether it was set as a "high" alarm, "low" alarm, or BOV alarm.
- ² Power for the *iT* 401 is supplied via TBUS connector inside DIN-Mount from either *iT*-Series Transmitter (using *iT* 031 and *iT* 032) or external power supply (using *iT* 032 and *iT* 033/034/035 connectors).
- ³ Current draw is determined at 24 Volts DC power.
- ⁴ When used with an *iT-series* transmitter module.

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Due to continued research and development, Wilcoxon Research reserves the right to amend this specification without notice.