

## - Latching Logic

- Pump Down or Pump Up
- 2, 3, or 4 Channels
- Shorted Input Sensing
- Open Input Sensing
- Contact or Probe Inputs
- Output and Input LED Indication

Connections
Non-Hazardous Location
AC Supply
Voltage


## Dimensions



Physical
Mounting: Din Rail mount
Termination: Touch safe screw terminals, with lift mechanism, \#12 AWG max. for supply and relay contacts, \#16 AWG max. for intrinsically safe inputs.
Weight: 10 Oz .
Ambient Temperatures
Operating: $0^{\circ} \mathrm{C}$ to $50^{\circ} \mathrm{C}$
Storage: $-40^{\circ} \mathrm{C}$ to $85^{\circ} \mathrm{C}$

## Ordering Information



3-31/0
4-4 I/O
Mounting Options
R - DIN Rail
S - Surface

## Operation

## Four Channel Latching Relay

Supply voltage must be applied to the ISR_-L relay during operation. The ISR_-L can have 2,3 or 4 channels. The latching logic is set up for a pump down operation. (Pump up is available too.) When IS input \#1 closes its LED changes and \#1 output contact closes. When IS input \#2 closes, output contact \#2 closes, latches in and starts the first pump. When IS inputs \#3 and \#4 close, Output contacts \#3 and \#4 latch closed, respectively. All output contacts remain closed, even if their inputs open, until input \#1 opens, and all output contacts open, indicating that the system has pumped down. LED indicators will be:
Red - When the IS input is open or high Green - When both the IS input \& output contact are closed
Amber - Latch Logic - IS input open \& Output closed
Flashes - During transition delay A green LED indicates when supply voltage has been applied to the ISR_-L.

## Installation of Relays with Intrinsically Safe Inputs



