**Application**
The Bramco Frequency Current Converter Relay is designed to convert an input frequency from a Namur proximity sensor (located in a hazardous area) into a 4-20mA current signal. The Namur proximity sensor may be located in a hazardous area if connected via a 2 channel I.S. Zener Barrier.

**Features**
- Manual scaling accommodates a maximum input pulse frequency over the range of 0.5-700Hz at 20mA output
- Scaling settings are made with rotary switches located on the front panel
- The minimum input pulse frequency depends on the scaling Hz
- The analog output provides a 4-20mA signal that is proportional to the frequency of the input
- Namur proximity sensor Open and Short condition is monitored
- Loss of 4mA offset is used as proximity sensor fault flag
- Manual adjustment of 4mA and 20mA. These are factory set.
- Current output filter time constant is also adjustable
- Status LEDs:
  - Power On
  - Sensor Pulsing
  - Sensor Open
  - Sensor Short
  - Process Output
- DinRail or foot mounting
- AC or DC powered optional
- Module input can accommodate 2 wire Namur and 3 wire 30v open collector proximity sensor

**Specifications**
- **Pulse Frequency Maximum** - 700Hz
- **Pulse Frequency Minimum** - 0.5Hz
- **Pulse Frequency Range** - 0.5 - 700Hz
- **Current Output**
  - 4-20mA into 400 Ohms maximum
- **Power Input**
  - 24vDC 1W
- **Operating Temperature**
  - 0-50°C
- **Enclosure**
  - 75mmW x 55H x 110D
  - High impact resistant polycarbonate construction
  - DinRail and screw mounting
  - Cage screw terminals
  - Weighs 300gms

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Specifications subject to change without notice March15
Ordering Information
A00772  24vDC

External I.S. Barrier is required for connection of Namur Sensor in a hazardous area.

Zener Barrier
2 Channel 15v 100 Ohms Zener Resistor
Z965-Ex MTL965

Please contact Bramco Sales for your specific needs.

The Frequency Current Converter Relay is designed, manufactured and repaired by an ISO9001:2000 certified company.