



ISO 9001: 2000
Certified

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Detcon Model 700 Series Profi-RAM Module



Description

The Model 700 Profi-RAM Module is an optional accessory for use with Model 700 Gas Detection Sensors. It is a universal design and can be used with any of the Model 700 Gas Detection Sensors. The Profi-RAM Module is provided in an explosion-proof junction box constructed of either epoxy painted aluminum or electropolished 316 stainless steel and, includes a glass viewing window.

The Profi-RAM Module allows the attached Model 700 Gas Detection Sensor to function as a Profibus DP slave on a Profibus network in addition to providing two alarm relays, a fault relay, a 4-20 mA output, and remote operation of the gas sensor. A Profibus module version allowing the gas sensor to function as a Profibus DP slave, but without relays and remote control, is also available.

The Profi-RAM uses the approved AnyBus module to assure conformance with the Profibus DP communication standard. A downloadable GSD file is provided to allow a user to configure their Profibus Master to recognize the Profi-RAM module.

Features

- ▶ Certified to Profibus DP Standard
- ▶ Mimics Gas Sensor Display
- ▶ Remote calibration of Gas Sensor
- ▶ Remote setting capability
- ▶ Complete Diagnostic Information
- ▶ RS-485 Connection to Gas Sensor
- ▶ 2 Alarm Relays & 1 Fault Relay (Profi-RAM Module Only)

Order Guide Specify junction box options (below)

- | ▶ Part Number | Description |
|------------------|---|
| ▶ 975-70000P-00A | Profi-RAM Module in Aluminum Enclosure |
| ▶ 975-70000P-00S | Profi-RAM Module in 316 SS Enclosure |
| ▶ 975-700NRP-00A | Profibus Module (no relays, no remote capability) in Aluminum Enclosure |
| ▶ 975-700NRP-00S | Profibus Module (no relays, no remote capability) in 316 SS Enclosure |

Specifications

- Inputs**
Any Model 700 Gas Sensor
- Outputs**
4-20mA signal
Profibus DP
Relay Contacts - Three Form C
Rated 5A @ 30 VDC/250 VAC
- Input Voltage**
11-30VDC
- Power Consumption***
<2.5 Watts at 24VDC (Normal)
<4.0 watt at 24VDC (Maximum)
- Operating Temperature**
-40°C to 70°C
- Electrical Classification**
Class 1, Division 1 Groups ABCD
Class 1, Zone 1, Group IIC
- Enclosure Classification**
Nema 7 and Nema 4X

* Excluding 700 Gas Sensor