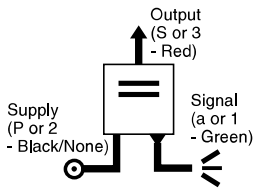


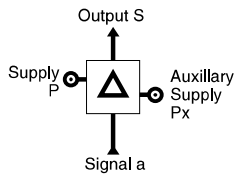
### Sensor Relay For Mounting On Any 3-Port Base



PRFA10

Part Number	Description
PRFA10	Provides a supply to a bleed sensor* and generates an output signal when operated. *See Bleed Sensors in Sensing Section
PRFA12	PRFA10 on PZUA12 Subbase

### Amplifier Relay For Mounting On 4-Port Base



PRDA10

Part Number	Description
PRDA10	Amplifies the low pressure signal coming from a fluidic proximity sensor* to a usable level. * See Fluidic Proximity Sensors in Sensing
PRDA12	PRDA10 on PZUB12 Subbase

### Specifications

**Air Quality**

Standard Shop Air, Lubricated or Dry,  
40 µm Filtration

**Cv (kv)**

0.14 (1.8)

**Flow rate at 90 PSI (6 bar) in SCFM (l/mn ANR)**

6.4 (180)

**Function**

- 3-Way Normally Closed
- NNP
- Yes

**Materials**

- Body ..... Polyamide
- Poppet ..... Polyurethane
- Seals ..... Nitrile (Buna N)

**Mounting**

Sensor: 3-Ported Subbase  
Amplifier: 4-Ported Subbase

**Nozzle Consumption**

0.00487ft<sup>3</sup>/PSI Min  
(2 l/bar - Min ANR)  
LFAY10/1 - 0.04 l/s (0.08 SCFM)

**Nozzle Ø (Of Sensor)**

1/32" (3mm)

**Number of Operations with Dry Air at 90 PSI and 70°F – Frequency 1 Hz**

10 Million

**Operating Positions**

All

**Operating Pressure**

40 to 115 PSIG (3 to 8 bar)

**Response Time**

2 to 3 msec

**Temperature**

Operating  
32°F to 122°F (0°C to +50°C)  
Storage  
-22°F to 140°F (-30°C to +60°C)

**PRD - Amplifier Relay Only**

**Air Signal Pressure (a)**

.007 to .03 PSI (0.5 to 2 mbar)

**Auxiliary Supply Pressure (Px)**

1.5 to 3 PSI (100 to 200 mbar)

**Consumption**

At 1.5 PSI (100mbar) with a  
= 0: 0.1 SCFM (3Nl/mn)

**Maximum Operating Frequency**

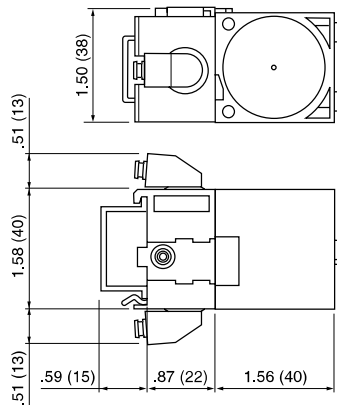
10 Hz

**Manual Control**

PRDA

### Dimensions

PRDA12



PRFA10

