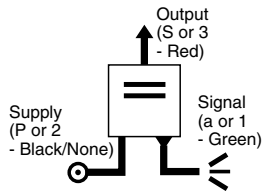


## Sensor Relay

For Mounting On Any 3-Port Base

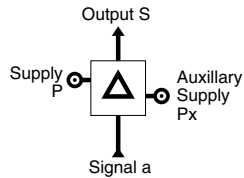


PRFA10

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 (3NI/mn)

### Maximum Operating Frequency

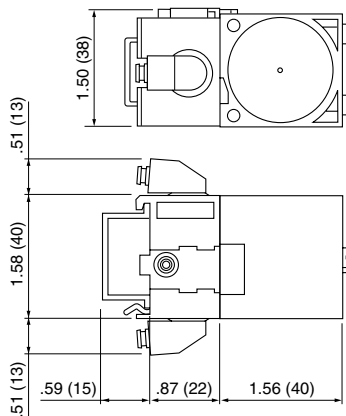
10 Hz

### Manual Control

PRDA

## Dimensions

PRDA12



PRFA10

