

## Time Delay Relays

For Mounting on any 2\* or 3-Port Subbase  
Using Atmospheric Air for Control  
Single Turn Adjustment



\*Function Must Be Checked.

Part Number	Description	Timing Range
PRTE10	ON Delay	0.1 to 3 sec.
PRTA10	ON Delay	0.1 to 30 sec.
PRTB10	ON Delay	10 to 180 sec.
PRTF10	OFF Delay	0.1 to 3 sec.
PRTC10	OFF Delay	0.1 to 30 sec.
PRTD10	OFF Delay	10 to 180 sec.
PRTA12	PRTA10 on PZUA12 Subbase	
LA9D901	Tamperproof Cap	

The Time Delay Relay delays a maintained input signal during an adjustable time period after which a regenerated output appears.

### Setting

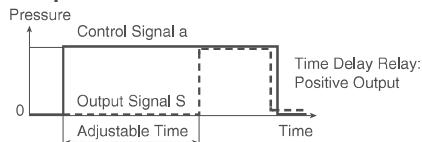
- Delay is set by turning knob.
- One 360° turn covers complete timing range.
- When white line on dial is set at top dead center, TDR goes to infinity. This feature facilitates machine set up.

### Connections: 3-Port Subbase with

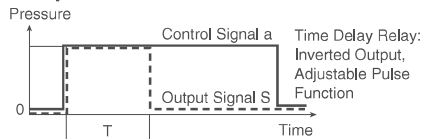
- Instant Straight Connections
- Instant Swivel Connections
- 1/8" NPT Female Connections

### Timing Functions

#### • Positive Output



#### • Inverted Output



Repeatability +2%

## Specifications

### Air Quality -

Standard Shop Air, Lubricated or Dry, 40 µm Filtration

Cv .....0.14 (1.8)

Filter ..... a-PPRL23, Vent - PPRL20

Flow rate at 90 PSI (6 bar) in SCFM (l/mn ANR)....6.4 (180)

### Interchangeable 50 µm Filter –

a (Input).....PPRL23

Input Cylinder.....PPRL20

### Materials –

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

Mounting .....2 or 3-Port Subbase

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)

Repeatability ..... ±5% / 5 Operations

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)

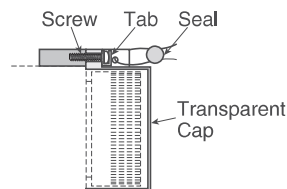
### Tamperproof Cap

#### • Locking

Set desired time delay, then place transparent cap over setting knob and tighten screw.

#### • Sealing

Bend tab over screw head; run wire over head, then seal.



## Dimensions

PRT•10

