

Circuit 1

PART REFERENCE PT41X (Circuit 1)

Timing Start

Removal of pressure from control port C.

Timing Reset

Maintained or momentary pressure applied to control port C. The directional valve shifts to an energised position.

Function

By applying air (momentary or continuous) to control port C, the timers directional valve shifts to an energised position. On removal of air from control port C the timers directional valve remains in its energised position for the pre-set time then returns to its spring position on time-out.

Sequence

On pressing the push button the cylinder out-strokes. On release of the push button the cylinder remains out-stroked until the set time has elapsed. Upon time-out the cylinder returns to its spring condition. The cylinders speed of return is controlled by an exhaust restrictor.

Part Reference (Example PT41H)

PT41 Vertical surface mount

PART REFERENCE PT31X (Circuit 2)

Timing Start

Maintained pressure to control port C.

Timing Reset

By removal of pressure from control port C. The directional valve shifts to spring condition.

Function

By applying continuous air to control port C, the directional valve remains in its spring condition and timing commences. The directional valve switches to its energised position on time-out. The directional valve remains in its energised position until removal of air.

Sequence - ON Delay (Other connection options, OFF Delay & Diverter)

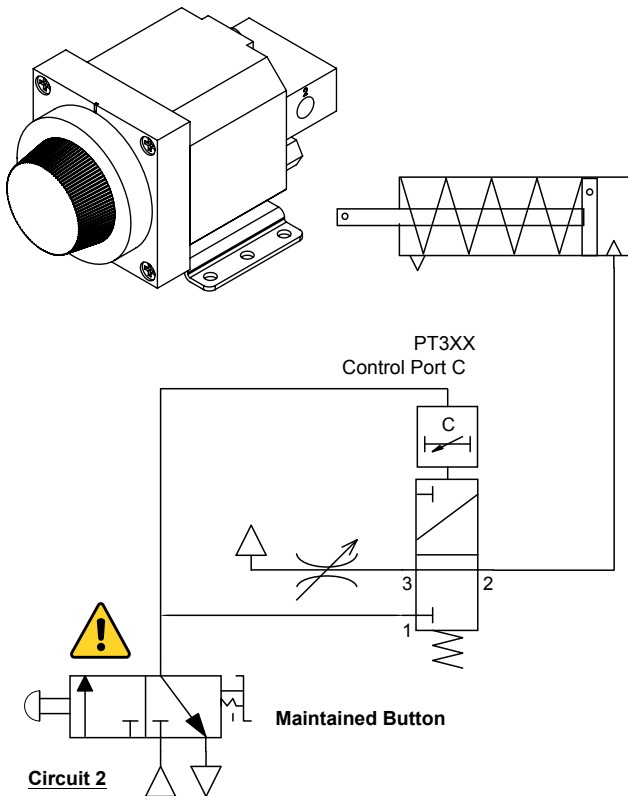
On pressing and latching the push button timing commences. The cylinder out-strokes on time-out and only returns to its spring condition on removal of air by unlatching the push button. The cylinders speed of return is controlled by an exhaust restrictor.

Part Reference (Example PT31H)

PT31 Vertical surface mount

Time Ranges Available

- A = 0.1 - 1.0 Seconds B = 0.5 - 5.0 Seconds C = 1.5 - 15.0 Seconds
- D = 5.0 - 50.0 Seconds E = 20.0 - 200.0 Seconds K = 1.0 - 300.0 Seconds
- F = 1.0 - 10.0 Minutes H = 3.0 - 30.0 Minutes I = 6.0 - 60.0 Minutes



Circuit 2

CAUTION:

Upon applying air system may start automatically.

NOTES:

- Clean dry non-lubricated air to be used.
- Timers should never be adjusted while in operation.
- Pressures should not exceed timer specification.

These circuits have been designed as a concept/theory only. It is your responsibility to ensure that these details comply will all safety standards and regulations. We cannot accept responsibility for its application. Pneumatic cylinders have been used to illustrate output functionality only. Schematic diagrams shown here may vary from actual parts supplied, although functionality will remain the same.

Impulse Automation Limited	Date: 21st February 2019 Document: DWG003	REVISION	4
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