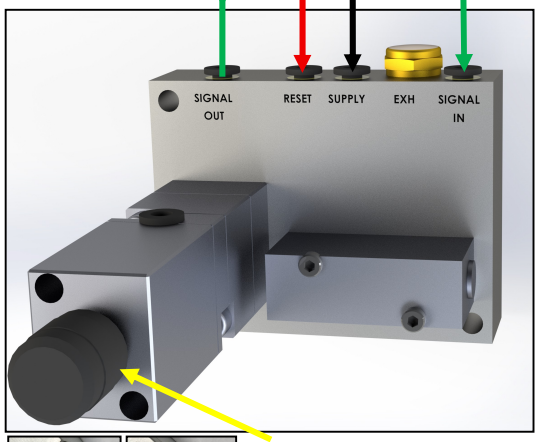
td TRANSPORT DOOR SOLUTIONS	**UNVERSAL PNEUMATIC IMPULSE CLOSE TIMER KIT** **For pressure applied system**	DRG REF: **VAL096-KIT** **@ Rev.1**

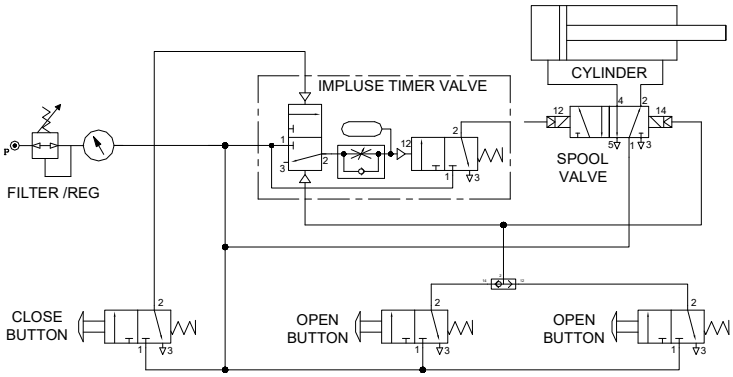
Green 4mm tube. For **DOOR CLOSE** signal to spoolvalve (fitted between "OR" logic valve and spool valve using 4mm equal tee if logic valve fitted)

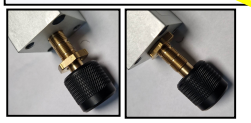
Red 4mm tube. For **RESET** signal from door **OPEN** pneumatic button. Tap into the red 4mm tube, fit between the "OR" logic valve and spool valve, using 4 equal tee supplied.

Black 4mm tube. **AIR SUPPLY** from output side of filter/reg. Tap into air supply to pneumatic buttons using 4mm equal tee supplied. Or tap into existing feed to spool valve using fittings supplied.

Green 4mm tube. **DOOR CLOSE** input signal from **CLOSE** pneumatic button



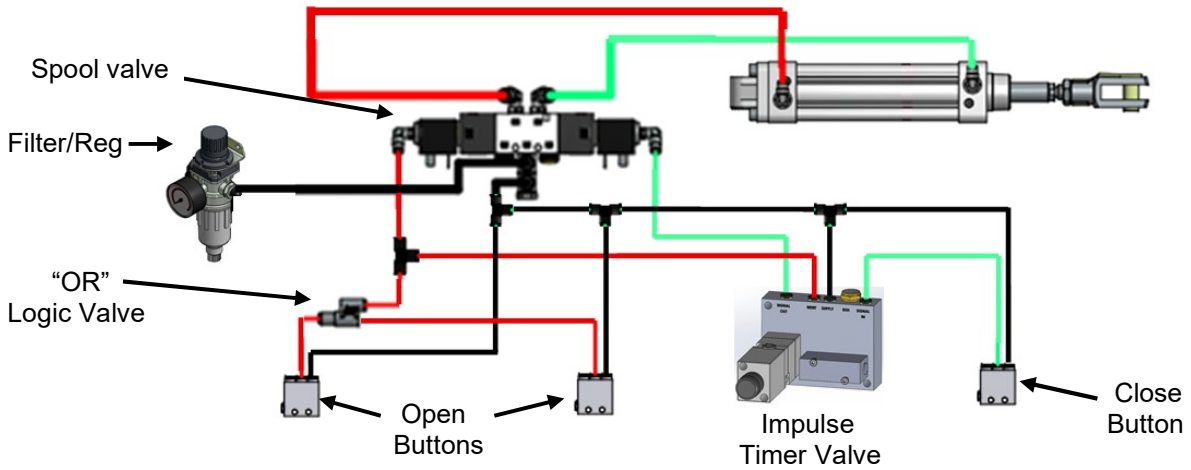




Adjustable Timer Screw. Set at 6s.
With 3 notches showing & locked in position (Each notch =2secs)

Spec: (2 → 10bar) (1→ 10s Pneumatic Timer) (Temp, -20 → +80°C) (Ports 4mm Push in type)
Fitted between a trip valve (pneumatic button) and directional control valve (spool valve) for a pressure applied system.
When an input signal is applied, it generates a short duration pulse output signal, which is then automatically exhausted. A further output signal cannot be generated until the input signal has been removed. And input signal to reset is provided. The output signal pressure of 90% of the input pressure. The downstream volume of the tubing and pilot chamber of the control valve should not exceed 0.010 dm3. This volume is equivalent to approximately 2.0 meters of 4mm o/d nylon tube. Impulse duration 0.4 - 0.8s.

Door Closing Operation: A pulse from close button into the "Signal In" port on the timer block (With timer set at 6 secs). After time out a pulse of air will go to the door close spool valve port from the "Signal Out" port on the timer block, then the door will close.
The timer will reset when you press the door open signal, sending a signal to "Reset" port on the timer block.
Mains air supply from filter reg must always feed into "Supply" port on timer block.



Subject:	Date:	Rev:	Doc.Ref:
PNEUMATIC CONTROLS	28-10-2025	1	**VAL096-KIT**