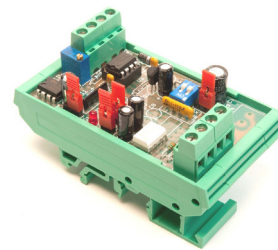


Pulsed Digital Input Converter



The IO/PDV is designed to convert pulsed modulating control to an analogue voltage based output of 0-10V. The input time base is adjustable to enable connection to controllers with a fixed pulsed modulating control.

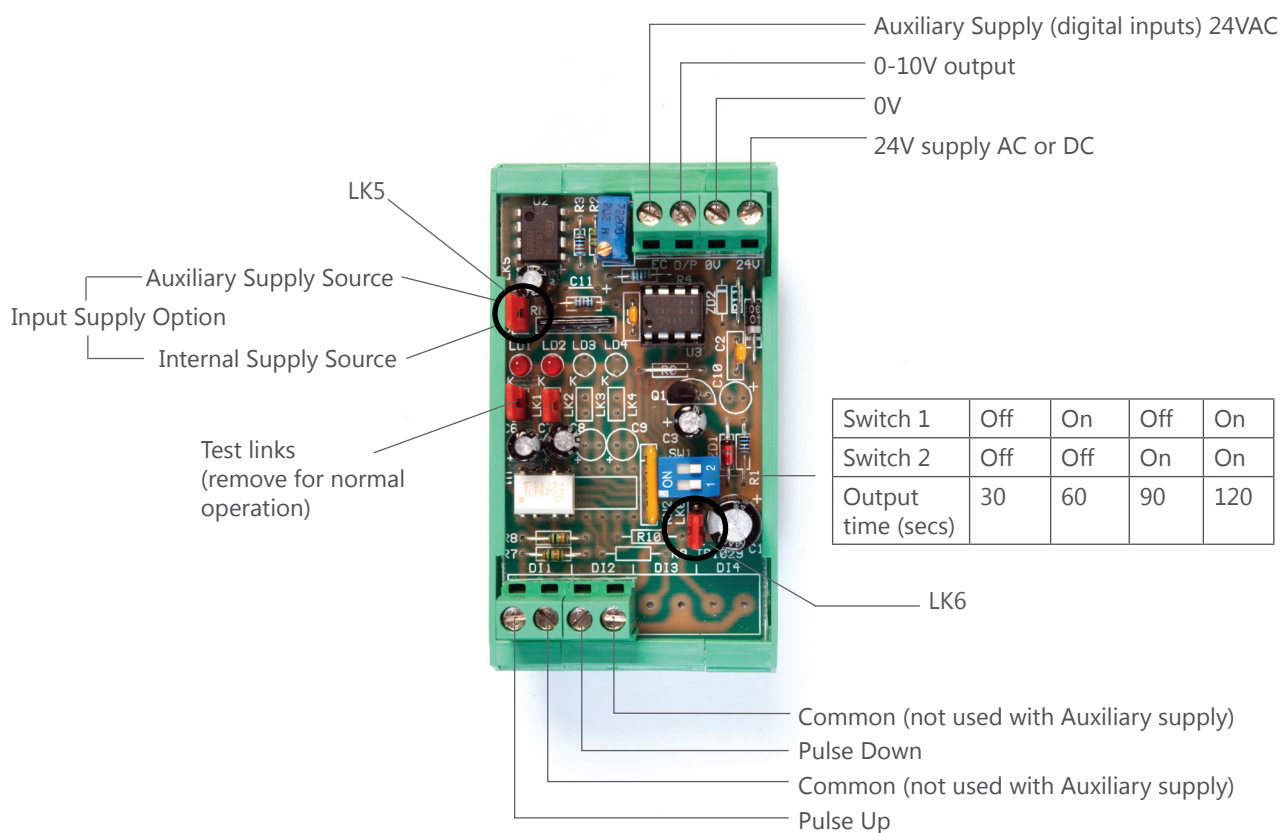
The 2 x digital inputs can be volt free contacts or triac switched (20 to 50 volts AC) when auxiliary supply is selected.

The IO/PDV output is directly proportional to the time base of the input signal making it suitable for preset positioning of dampers in VAV applications.

Specification

Power Supply:	24V AC/DC +/-10%
Input:	Volt free or up to 50V (AC) signal (Minimum pulse time 100 milliseconds)
Output:	0-10V
Power Consumption:	0.25VA
Selectable Options:	Time base adjustment (see table) DI Supply (volt free or auxiliary)
Terminals:	1.0mm recommended 2.5mm max
Operating Temperature:	0 to 50°C
Operating Humidity:	5-80% non-condensing
Dimensions:	82mm high, 45 mm wide, 45mm deep
Mounting:	DIN Rail
Country of Origin:	UK
Product Code:	IO/PDV

Connections



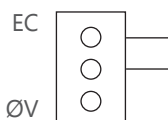
Triac switched to GND

Place LK5 in the EC position (top pins)

Remove LK6

24VAC auxiliary supply required on the EC terminal (Auxiliary supply) (Digital Inputs)

Triac outputs connected to pulse up/down terminals

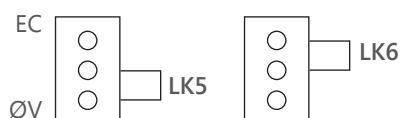


Triac switched to 24VAC

Place LK5 in the ØV (bottom pins)

Place LK6 into the top position

Triac outputs connected to pulse up/down terminals. Common can be used for ØV in this mode.



Volt free input

Place LK5 into the ØV (bottom pins)

Place LK6 into the bottom position

Connect voltfree inputs to pulse up/down and common.

