

Fresh Air Override

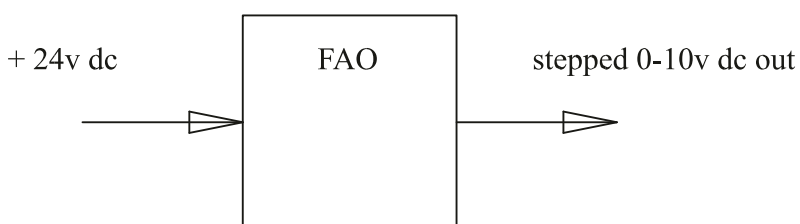
This unit is an attractive modern wall mounted unit that looks stylish in any home, classroom or office. The two part clip together housing makes for easy installation and commissioning, the rear part can be wired and checked then the front part containing the electronics is simply clipped on.

The unit consists of a pushbutton and 5 LEDs and is used to manually override the automatic control of motorised fresh louvres to fixed positions.

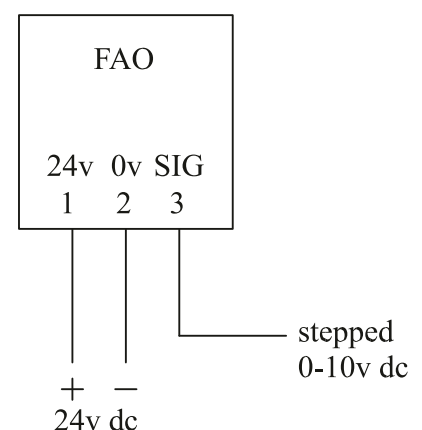
Each mode is indicated by an LED. The override will automatically cancel after 30 minutes (optionally 60, 120 or 240 minutes) and revert back to automatic control. The output voltage is connected to a control system to provide the required override. 0v was chosen to represent the auto mode so that if no fresh air override unit was connected the control system would default to auto mode.



SCHEMATIC



WIRING DIAGRAM



Technical Data

Output values 5 steps in the range 0 – 10v dc as described below.

The pushbutton operates sequentially and produces a voltage output signal.

	Dc output	
Normal – auto mode	0v	
Press once – override vents open 75%	6v	
Press again – override vents open 100%	8v	
Press again – override vents closed	2v	
Press again – override vents 25%	4v	
Press again – auto mode	0v	
Power requirements	15 - 30v dc max 45mA	
Electrical Connection	Screw terminals max 1.5mm ² (16AWG)	
Working environmental range	0 – 90% RH (non condensing) -5 to +55°C	
Storage environmental range	0 – 90% RH (non condensing) -20 to +60°C	
Connections		
Terminal 1	+24v dc	
Terminal 2	GRD (0v)	
Terminal 3	voltage output 0 – 10v dc	
Housing material	Polycarbonate	
Protection class	IP20	
Colour of housing	Rear RAL 7035 light grey Front RAL 9003 signal white	
Dimensions	85mm (w) x 100mm (h) x 26mm (d)	
Jumper Link Info		
Jumper J1	Jumper J2	Time out to Auto
not fitted	not fitted	30 minutes
fitted	not fitted	60 minutes
not fitted	fitted	120 minutes
fitted	fitted	240 minutes
Other timeout options		Special software