

Description

Press Man is a simple and efficient controller for maintaining constant pressure in heating and ventilation environments. It is characterised by a very robust construction and simple user interface.

Press Man controls the HVAC pressure from a pressure transmitter with an analogue output mounted directly in the ventilation system. IP54 rated and integrated keypads in the front makes the controller usable in harsh environments.

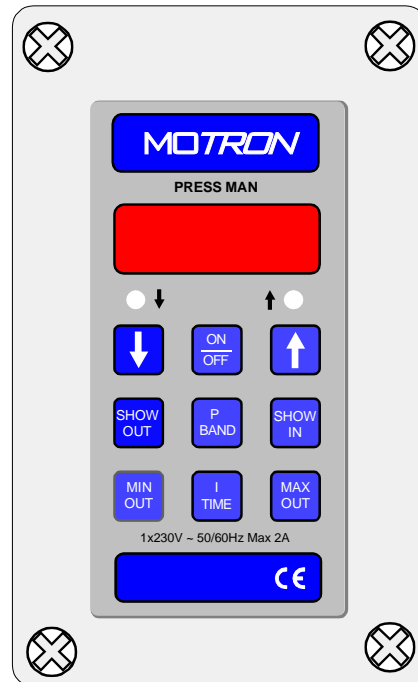
Press Man has two relay outputs, the first is used as an ON/OFF switch the other is used as an alarm. ON/OFF is activated when the key is pressed. The alarm output will activate when the output fails to reach the set value within a 30 minute period. If the output internally is UNDER or OVER the MIN/MAX settings, the relay will activate. Flashing LO or HIGH in the display.

Press Man can indicate the real output for the attached speed controller, OR, it can indicate the real input from the attached pressure transmitter. Both values will indicate in percentage (0-100%) of input and output.

Press man can be stopped by pressing the ON/OFF button. Display will indicate OFF and the DC output will be forced to 0, as will be the 2 relays.

Press man has individual settings for controlling the minimum and maximum speed of the attached speed controller. Parameters for Proportional Band and Integration Time are entered via the keypads. The PI regulator will measure the pressure, compare it to the setpoint and try to maintain the dc output to make the real pressure as close to the setpoint as possible.

Picture

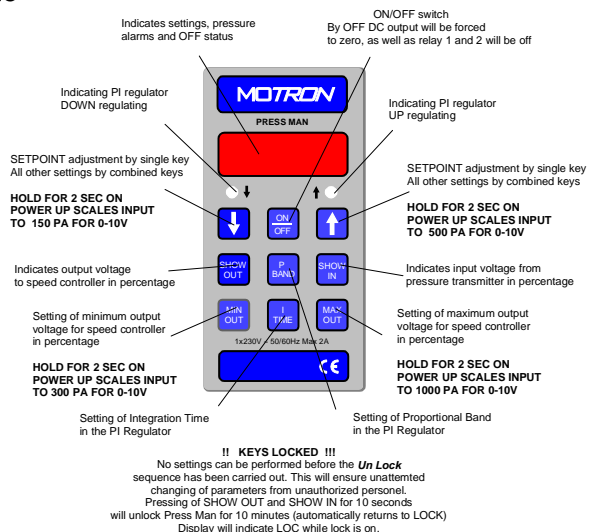


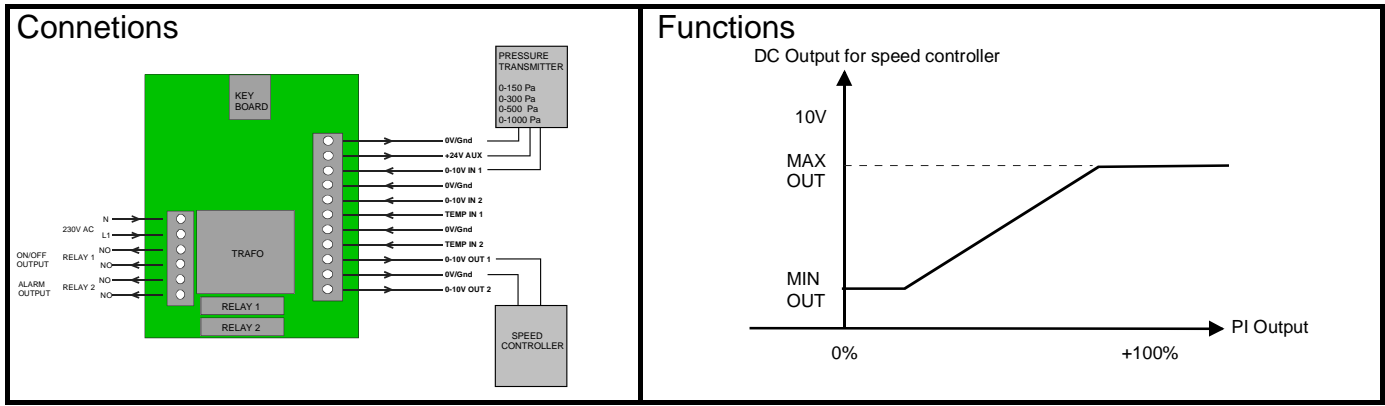
PRESS MAN can be SCALED to one of 4 ranges by POWER UP. This makes it compatible to many industrial pressure transmitters on the market today. It is compatible with the DeltaSense PSFour scaleable pressure transmitter, which comes with an standard ac/dc supply interface, 0-10V output and dipswitch settings for 150 - 300 - 500 - 1000 Pa

Technical data

- User interface from front.
- 230 +/- 15 VAC / 50Hz supply
- Two Relay outputs 2A / 230VAC
- *Two temperature inputs, non active*
- Two 0-10V Inputs – only one used for transmitter
- Two Analog outputs 0-10V / 10mA -one used
- Auxillary DC supply out 24VDC / 20mA +/- 30%
- Environmental temperature -5 – 45°C
- Humidity 5-95% RH, non condensing
- LED indicating UP or DOWN regulation
- Cable glands for connection
- Industrial IP54 grade
- Polycarbonate plastic case
- Polycarbonate front with integrated keys
- Connection through "snap" terminals
- EMC 89/336/EEC LVD 73/23/EEC (EN 50081-1, EN50082-2)
- CE approved.
- Measures 130x80x60 mm

Keys etc





Programming of Press Man pressure Controller

KEY	DESCRIPTION	DISPLAY	COMMENTS
	Setting of SETPOINT One press up/down Automatic by holding for more than 1 second	0-1000 Pa Returns to normal display after Apr. 5 seconds without activations	150 Pa by Factory
	ON OFF regulator Force DC output to 0V Force Relay 1 and 2 to OFF	OFF condition	ON by Factory
	Indicates what comes out on the 0-10V OUT1 terminal 0-100% = 0-10V	0-100%	
	Indicates what comes in on the 0-10V IN1 terminal 0-10V = 0- Pressure Range	0-150 Pa 0-300 Pa 0-500 Pa 0-1000 Pa	
 	Setting of Speed Controller Maximum output in percentage	5-100%	95% by Factory
 	Setting of Speed Controller Minimum output in percentage	5-95%	5% by Factory
 	Proportional band For PI regulator	0-100 P Band = 0 means NO P band !	10 by Factory
 	Integration time For PI regulator	0-100 I Time = 0 means NO Integration !	10 by Factory
	KEYS LOCKOUT	LOC if locked	Locked

SHOW IN	SHOW OUT	Press simultaneously for 10 seconds to Un Lock controller	Anything else if unlocked	
↓	+ PWR UP	HOLD FOR 2 SEC ON POWER UP SCALES INPUT TO 150 PA FOR 0-10V	150 on power up	300 Pa by Factory !
MIN OUT	+ PWR UP	HOLD FOR 2 SEC ON POWER UP SCALES INPUT TO 300 PA FOR 0-10V	300 on power up	300 Pa by Factory !
↑	+ PWR UP	HOLD FOR 2 SEC ON POWER UP SCALES INPUT TO 500 PA FOR 0-10V	500 on power up	300 Pa by Factory !
MAX OUT	+ PWR UP	HOLD FOR 2 SEC ON POWER UP SCALES INPUT TO 1000 PA FOR 0-10V	1000 on power up	300 Pa by Factory !