

Digital pressure transmitter controller Model MDI8

Description

MDI8 digital pressure controller combine pressure measuring, display, control & transmit together. Can be easy installed to measuring pressure at the scene .It can set the zero output ,span output, pressure of contact point and control pressure with key at scene.

Application

- Machine tools
- Hydraulics and pneumatics
- Pumps and compressors
- Machine building



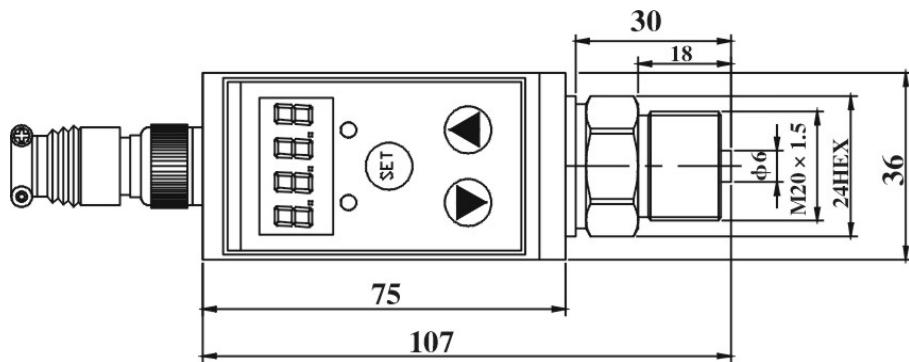
Special features

- 4 digit display the current pressure value
- Set on-off point of relay by pressure and delay switch output
- On-off point of relay can be setted arbitrarily between zero and span
- Shell have action with LED nodes, for observation
- Button and adjust set the various parameters at the scene, easy to operate
- 2-way switching output, with carrying capacity of 1.2A
- Analog output 4~20mA

**Specification**

Measurement Range	-0.1 ... 0~100mbar ... 1000bar			
Proof pressure	$\leq 1.5 \times$ rated pressure			
Pressure type	Gauge, absolute, sealed gauge			
Accuracy	± 0.25 (typical) $\pm 0.5\%$ (Max.)			
Long stability	$\pm 0.3\%$ F.S/year			
Temperature Error-Zero	$\pm 0.03\%$ F.S	$\leq 100\text{KPa}$	$\pm 0.02\%$ F.S	($>100\text{KPa}$)
Temperature Error- Span	$\pm 0.03\%$ F.S	$\leq 100\text{KPa}$	$\pm 0.02\%$ F.S	($>100\text{KPa}$)
Operating Temperature Range	-20°C $\sim 80^\circ\text{C}$			
Storage Temperature Range	-40°C $\sim 120^\circ\text{C}$			
Power supply	24VDC 220VAC			
Output signal	Analog output :4 ~20mA;Digital output :RS485			
Pressure port	M20×1.5 G1/2 or customize			
Relay control	1~ 4 way relay controller switch value control			
Life of contact point	More than 100000 times			
Display	-1999~ 9999			
Housing material	1Cr18Ni9Ti stainless steel			
Diaphragm material	316L			
Oring	Fluororubber			
Cable	Polyethylene			
Insulation resistance	100M Ω 100VDC			
Protection	IP65			

Dimension(Unit: mm)



Ordering example : MDI8 01-A-10-X-D1-S1-B6- J3-G

MDI8 Pin Assignments:

- Pin 01: A
- Pin 10: X
- Pin 1: D1
- Pin 2: S1
- Pin 3: B6
- Pin 4: J3
- Pin 5: G
- Pin 6: (Grouped with 4, 5, and 6)
- Pin 7: (Grouped with 4, 5, and 6)
- Pin 8: (Grouped with 4, 5, and 6)
- Pin 9: (Grouped with 4, 5, and 6)
- Pin 10: (Grouped with 1)
- Pin 11: (Grouped with 1)

Ordering note

1. Media must compatible with wetted part.
2. When release order, please mark :power supply, accuracy, number of control point and whether need Rs485 interface.
3. To ensure the products can working reliable, we suggest that customer install lightning protection device and make sure products & power are earthed.
4. Special requirement ,such as strong shock, moment vibration, strong electromagnetism, radio frequency interference ,please consult us.



Ordering information

MDI8	Intelligent pressure controller		
	Code	Dimension	
	01	Φ 100 profile, Stainless steel body	
	02	Φ 150 profile cast Aluminium housing	
	03	Φ 117 profile explosion-proof housing	
	Electrical Connection		
	A	Circular connector	
	B	Din connector	
	C	Direct outlet 1.5 meter	
	Range	-0.1...0 . . . 1000Bar	
	(0-X) Psi or Bar	X: actual range	
	Code	Power supply	
	D1	24VDC	
	D2	220VAC	
	Code	Output signal	
	S1	4~20mA DC	
	S2	1~5VDC	
	S3	0~5VDC	
	S4	0~10mA DC	
	Code	Output function	
	B5	One-way relay	
	B6	Two-way relay	
	B7	Three-way relay	
	B8	Four-way relay	
	B9	Four-way relay RS485 interface	
	B10	One-way relay switching value output	
	B11	Two-way electron switch value	
	Code	Pressure port	
	J1	M20×1.5 Male	
	J2	G1/2 Male	
	J3	G1/4 Male	
	J4	others	
	Code	Pressure type	
	G	Gauge pressure	
	A	Absolute pressure	
	S	Sealed gauge	



Address: 7191 Yonge street, Toronto, Canada

Tel: +16472221281(5 line)

Web: www.madecotech.com

Email: Info@madecotech.com