

## 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

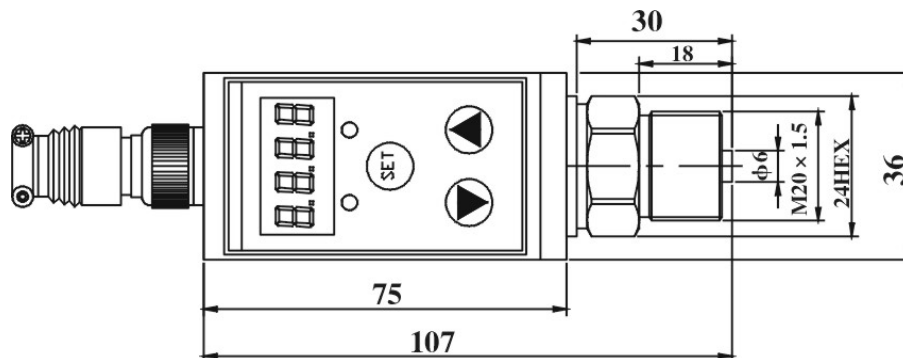
- 4 digit display the current pressure value
- Set on-off point of relay by pressure and delay switch output
- On-off point of relay can be setted arbitrarily between zero and span
- Shell have action with LED nodes, for observation
- Button and adjust set the various parameters at the scene, easy to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



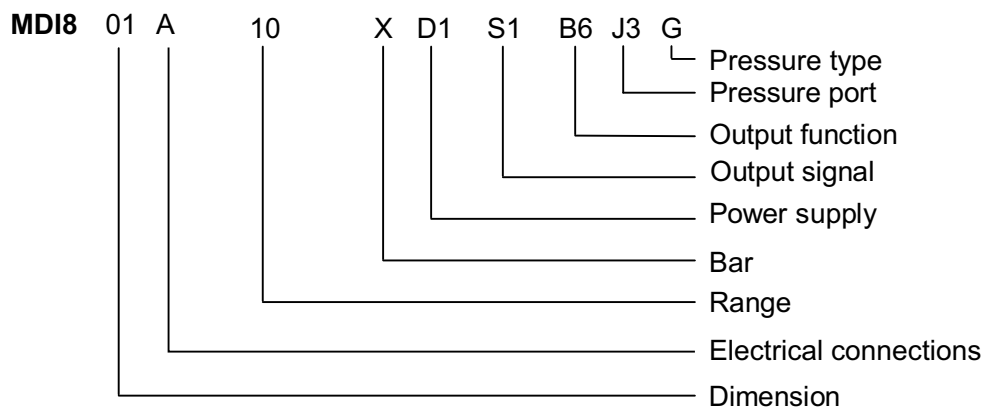
**Specification**

|                             |  |
|-----------------------------|--|
| Measurement Range           | -0.1 ... 0~100mbar ... 1000bar                 |
| Proof pressure              | ≤1.5X rated pressure                           |
| Pressure type               | Gauge, absolute ,sealed gauge                  |
| Accuracy                    | ± 0.25 (typical) ±0.5% (Max.)                  |
| Long stability              | ±0.3%F.S/year                                  |
| Temperature Error-Zero      | ±0.03%F.S ≤100KPa ±0.02%F.S (>100KPa)          |
| Temperature Error- Span     | ±0.03%F.S ≤100KPa ±0.02%F.S (>100KPa)          |
| Operating Temperature Range | -20℃ ~80℃                                      |
| Storage Temperature Range   | -40℃ ~120℃                                     |
| 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       | 100MΩ 100VDC                                   |
| Protection                  | IP65   |

## Dimension(Unit: mm)



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



## Ordering note

- Media must compatible with wetted part.
- When release order, please mark :power supply, accuracy,number of control point and whether need Rs485 interface.
- To ensure the products can working reliable,we suggest that customer install lightning protection device and make sure products & power are earthed.
- 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                              | ∅ 100 profile, Stainless steel body   |                            |              |                                      |  |
|      | 02                              | ∅ 150 profile cast Aluminium housing  |                            |              |                                      |  |
|      | 03                              | ∅ 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           | 4～20mADC                             |  |
|      |                                 |                                       |                            | S2           | 1～5VDC                               |  |
|      |                                 |                                       |                            | S3           | 0～5VDC                               |  |
|      |                                 |                                       |                            | S4           | 0～10mADC                             |  |
|      |                                 |                                       |                            | 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 |                                      |  |



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