



Pressure Indicator Single DMY-2017-*Light*

- An input for pressure, use with gases and liquids.
- Range from 250 mmH₂O to 5000 psi, gauge pressure, absolute or vacuum.
- Other characteristics in common to the line 2000 (DMY-20XX; DCY-20XX; TY-20XX).



Pressure Indicator Dual DMY-2017

- Two inputs for pressure, use with gases and liquids.
- Range from 250 mmH₂O to 5000 psi, gauge pressure, absolute or vacuum.
- Other characteristics in common to the line 2000 (DMY-20XX; DCY-20XX; TY-20XX).

Order Code DMY - [] - [] - [] - [] - [] - [] - [] - [] - [] - [] - [] - [] - []

Model []
2017-Light
2017

Input 1 []
Range
1 - 0 to 250 mmH₂O
2 - 0 to 1 psi
3 - 0 to 5 psi
4 - 0 to 15 psi
5 - 0 to 30 psi
6 - 0 to 100 psi
7 - 0 to 250 psi
8 - 0 to 500 psi
9 - 0 to 1000 psi
10 - 0 to 3000 psi *
11 - 0 to 5000 psi *
Only non-corrosive gases
Fluids compatible with 316 stainless steel

Pressure Type []
1 - Gauge
2 - Absolute
3 - Vacuum (0 to 1 atm)

Sensor Type []
1 - For air or non-corrosive gases
2 - For fluids compatible with 316 stainless steel

Input 2 []
Only for the model DMY-2017
Same code as Input 1 when used for pressure. When not being used for pressure, or if the model is DMY-2017-Light, fill the blanks with 0-0-0 and it can be used as analog auxiliary input for Vdc, mA, RTD, TC.

Output 1 []
0 - None
1 - 4-20 mA
2 - 1-5 Vdc
3 - 0-10 Vdc
4 - SPST Relay
5 - Open Collector Voltage
6 - Solid State Relay

Output 2 []
Same code as Output 1 (Only for the model DMY-2017)

Output 3 []
0 - None
1 - SPDT relay
2 - Open Collector Voltage
3 - Solid State Relay

Output 4 []
Same code as Output 3

Power Supply []
1 - 75 to 264 Vac 50/60 Hz or 100 to 360 Vdc (any polarity)
2 - 24 Vac or 24 Vdc (±10 %)
3 - 12 Vdc (±10 %)
4 - Others, upon request

Communication []
0 - None
1 - RS-232
2 - RS-485
3 - RS-422

Case Protection Grade []
0 - General usage, protected place
1 - Front Aspersión-proof
2 - Weather-proof - IP 66
* Provided only with remote display.

Specifications

Inputs

DMY-2017-Light: One pressure input.
DMY-2017: One or two pressure inputs.
Input for gauge, absolute pressure or vacuum.
Ranges from 250 mmH₂O to 5000 psi (gauge pressure).
Ranges from 15 psi to 1000 psi (Absolute pressure).
Ranges from 1 atm (Vacuum). Use with compressed air and non-corrosive / conductive gases up to 5 psi.
Air or fluids compatible with 316 stainless steel above 5 psi.
DMY-2017: Auxiliar analog input (for simple version only), configurable for thermocouple (J, K, T, E, R, S under ITS-90), 0-55 mV, RTD under DIN 43760, 4-20 mA, 1-5 Vdc and 0-10 Vdc. 250 Ω input impedance for mA, >10 MΩ up to 5 Vdc and 2 MΩ above 5 Vdc.

Outputs

4-20 mA (750 Ω maximum load), 1-5 Vdc or 0-10 Vdc analog retransmitter. Up to 2 galvanically isolated modules to 300 Vac from power supply and inputs. SPDT and SPST relay modules, rated for 3A/220 Vac. Logic signal, open collector transistor, 24 Vdc/40 mA maximum with isolation. Solid state relay, 2A/250 Vac with isolation.

Note: Slot provided for up to 4 alarm modules (taking the two slots of the analog outputs).

Serial Communication

RS-232 or RS-422/485 with 50 Vdc isolation. MODBUS®-RTU Communication Protocol.

Indication

4-digit red leds display (14 mm). Can be configured together with the decimal point.

Engineering Units

psi, atm, inH₂O, kgf/cm², mH₂O, mmH₂O, inHg, mmHg, cmHg, bar, mbar and kPa.

Configuration

By front-panel push-buttons and internal jumpers.

Sampling Rate

120 ms standard. One second display update rate.

Accuracy

± 1 % of full scale for 250 mmH₂O range.
± 0.1 % of full scale for the other ranges.
± 0.1 % of full scale for TC, RTD, mA, mV and Vdc inputs.
± 0.5 % of full scale for analog retransmitter output.
750 Ω maximum load.

2-wire Transmitter Power Supply

24 Vdc/50 mA maximum, isolated from output with short circuit protection

Span Temperature Coefficient

± 0.01 % of span / °C for pressure inputs.
± 0.005 % of span / °C for auxiliar analog inputs.
Reference 25 °C.

Power Supply

75 to 264 Vac 50/60 Hz or 100 to 360 Vdc (10 W nominal); 24 Vac/dc (±10 %); 12 Vdc (±10 %).

Operating Range

0 to 60 °C temperature and 90 % maximum relative humidity.

Dimensions

1/4 DIN (96 x 96 x 187 mm) HxWxD, (92 x 92 mm) HxW panel cutout.

Pneumatic / hydraulic connection

1/4" Union for plastic tubing for use with air or 1/4" Female NPT for use with other fluids.

Weight

1.0 kg nominal.

Warranty

One year.