

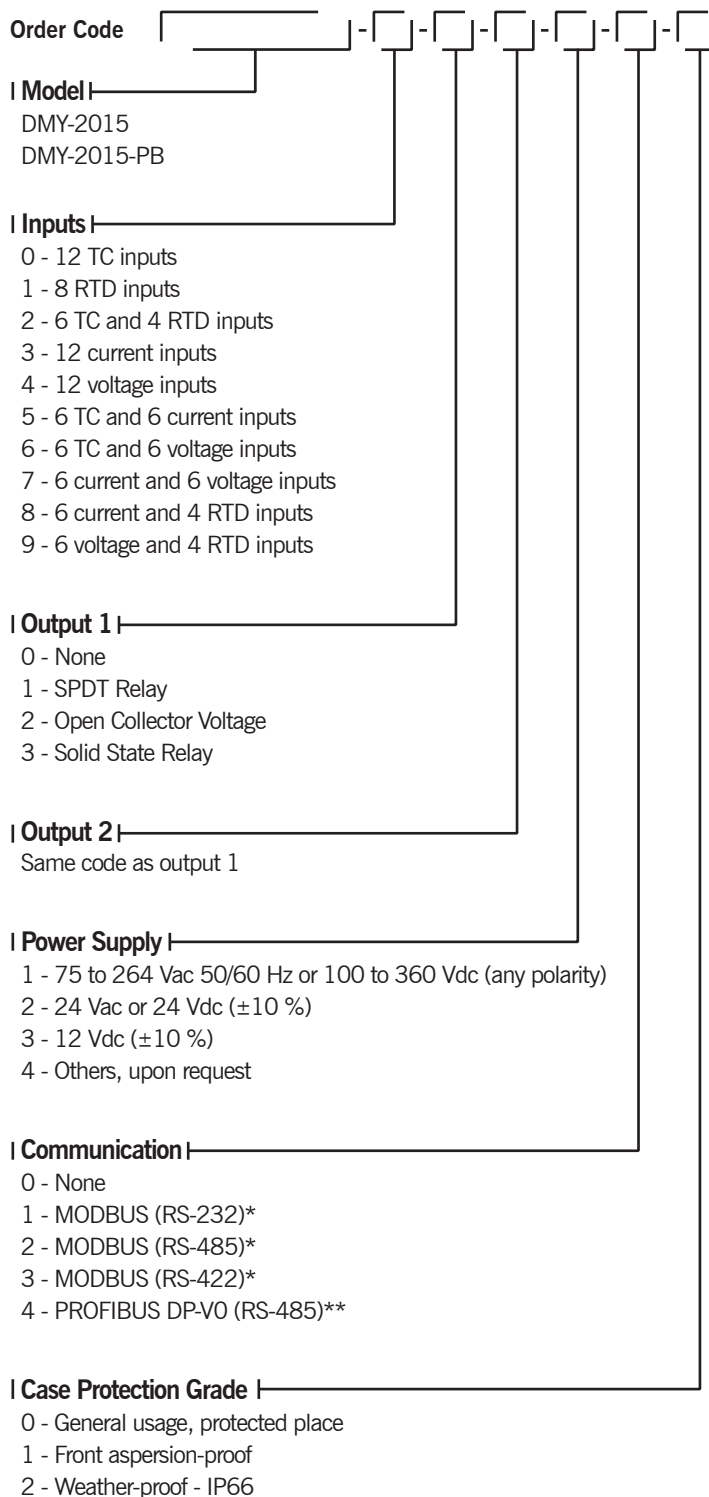


Digital Multi-point Indicator

DMY-2015 and DMY-2015-PB



- Models available for:
 - 12 THERMOCOUPLE INPUTS.
 - 8 RTD INPUTS.
 - 12 CURRENT INPUTS 4-20 mA.
 - 12 VOLTAGE INPUTS 1-5 Vdc.
 - COMBINATION OF 2 INPUT TYPES.
- Totalization function.
- Many optional Modules are available:
 - Up to 2 SPDT relays alarm modules.
 - One retransmitter output 1-5 Vdc, 4-20 mA or 0-10 Vdc, which can retransmit any input signal or the mean of selected channels configuration. (item upon request).
 - Galvanic isolation between inputs, outputs and power supply.
 - Isolation between inputs is also available upon request.
 - RS-232, RS-422/485 Communication (MODBUS® RTU Protocol) or PROFIBUS® (DP-V0)*.
 - Aspersión-proof front-panel.
- Configurable display for up to 4-digit of high visibility for the process variable indication. Another display shows which channel is being displayed. Still has twelve LEDs that may indicate alarm states for each channel.



* Available only for DMY-2015 model
 ** Available only for DMY-2015-PB model

Dimensions
 310 x 310 x 200 mm (HxWxD)
Weight
 11 kg approx.

Specifications

Inputs

Thermocouple (J, K, T, E, R, S under ITS-90).
 RTD Pt-100 under DIN 43760.
 4-20 mA with input impedance of 250 Ω .
 1 to 5 Vdc with input impedance $> 10\text{ M}\Omega$.

Outputs

Up to 2 SPDT relays 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.

Serial Communication

DMY-2015: RS-232 or RS-422/485 with 50 Vdc isolation.
 MODBUS®-RTU Communication Protocol.
 DMY-2015-PB: PROFIBUS® DP-V0: RS-485 Communication.

Indication

4-digit red leds display (14 mm) for process variable indication.
 2-digit display for channel indication. 12 red leds for alarm indication.

Totalization

Totalization of eight voltage or current inputs ranging from 0 to 9999, configured with the decimal point.

Configuration

By front-panel push-buttons

Sampling Rate

480 ms standard, for all inputs. One second display update rate.

Accuracy

$\pm 0.1\%$ of full scale for TC, RTD, mA, Vdc.

Linearization

$\pm 0.1\text{ }^{\circ}\text{C}$ for RTD and $\pm 0.2\text{ }^{\circ}\text{C}$ for TC.

Square Root Extraction

$\pm 0.5\%$ of reading, for input above 10 % of span.
 Programmable Cut-off from 0 to 5 %.

Cold Junction Compensation

$\pm 2.0\text{ }^{\circ}\text{C}$ in ambient temperature range from 0 to 60 $^{\circ}\text{C}$.

Span Temperature Coefficient

$\pm 0.005\%$ of span / $^{\circ}\text{C}$ using 25 $^{\circ}\text{C}$ as the reference temperature.

Power Supply

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

Operating Range

0 to 60 $^{\circ}\text{C}$ temperature and 90 % maximum relative humidity.

Dimensions

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

Weight

0.7 kg nominal.

Warranty

One year.