



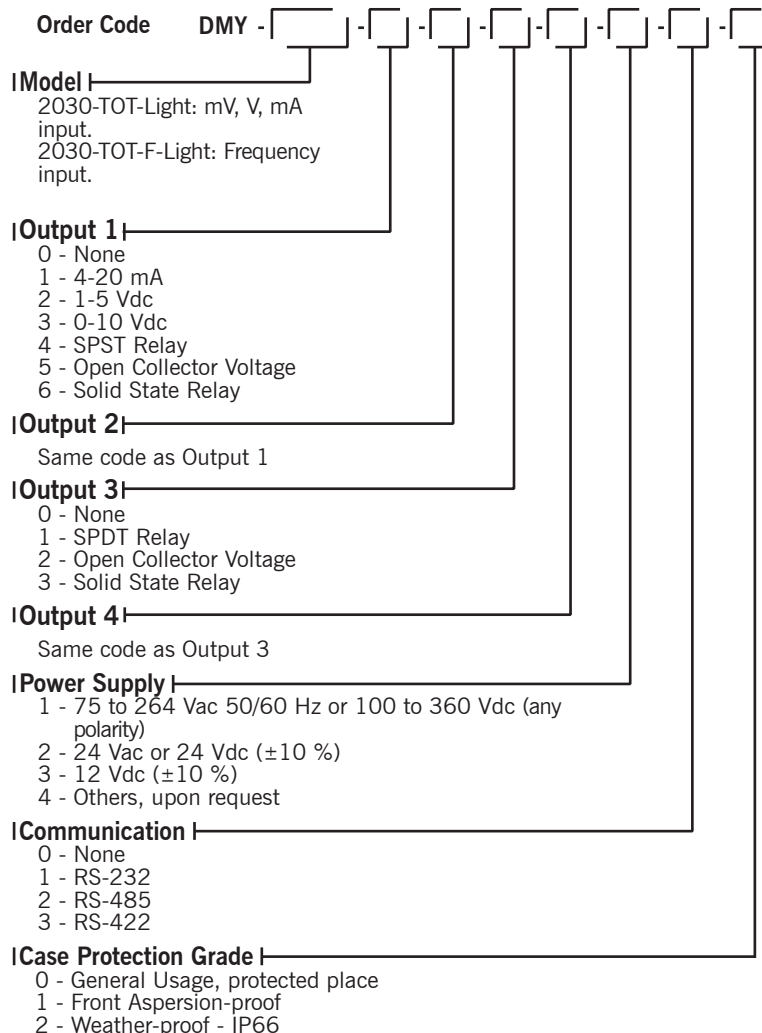
Process Indicator and Totalizer Single

DMY-2030-TOT-*Light*

DMY-2030-TOT-F-*Light*

- DMY-2030-TOT-Light: One universal input.
- DMY-2030-TOT-F-Light: One frequency input.

- 8-digit configurable display.
- Digital input for partial totalization reset.



Dimensions: 310 x 310 x 200 mm (HxWxD)
Weight: 11 kg nominal

Specifications

Inputs

DMY-2030-TOT-Light: Configurable input for 0-55 mV, 4-20 mA, 1-5 Vdc and 0-10 Vdc. 4-20 mA with input impedance of 250 Ω . >10 M Ω up to 5 Vdc and 2 M Ω above 5 Vdc.

DMY-2030-TOT-F-Light: frequency input for signals up to 30 kHz, from 300 mVpp to 30 Vpp digital input. 70 V maximum DC voltage. Input impedance greater than 60 k Ω (sine, 1 kHz).

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. Up to 2 SPDT relay modules and up to 2 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.

Serial Communication

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

Indication

8-digit red leds display (9 mm) for totalization and 5-digit for indication. Can be configured together with the decimal point.

Totalization Range

0 to 99999999 configured together with the decimal point.

Configuration

By front-panel push-buttons and internal jumpers.

Sampling Rate

120 ms standard. One second display update rate.

Accuracy

$\pm 0.1\%$ of full scale for TC, RTD, mA, mV and Vdc.
 $\pm 0.5\%$ of full scale for analog retransmitter output.
 ± 1 Display resolution for frequency input.

Linearization

14 configurable input points.

Square Root Extraction

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

2-wire Transmitter Power Supply

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

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

1/8 DIN (48 x 96 x 187 mm) HxWxD, (45 x 92 mm) HxW panel cutout.

Weight

0.5 kg nominal.

Warranty

One year.