

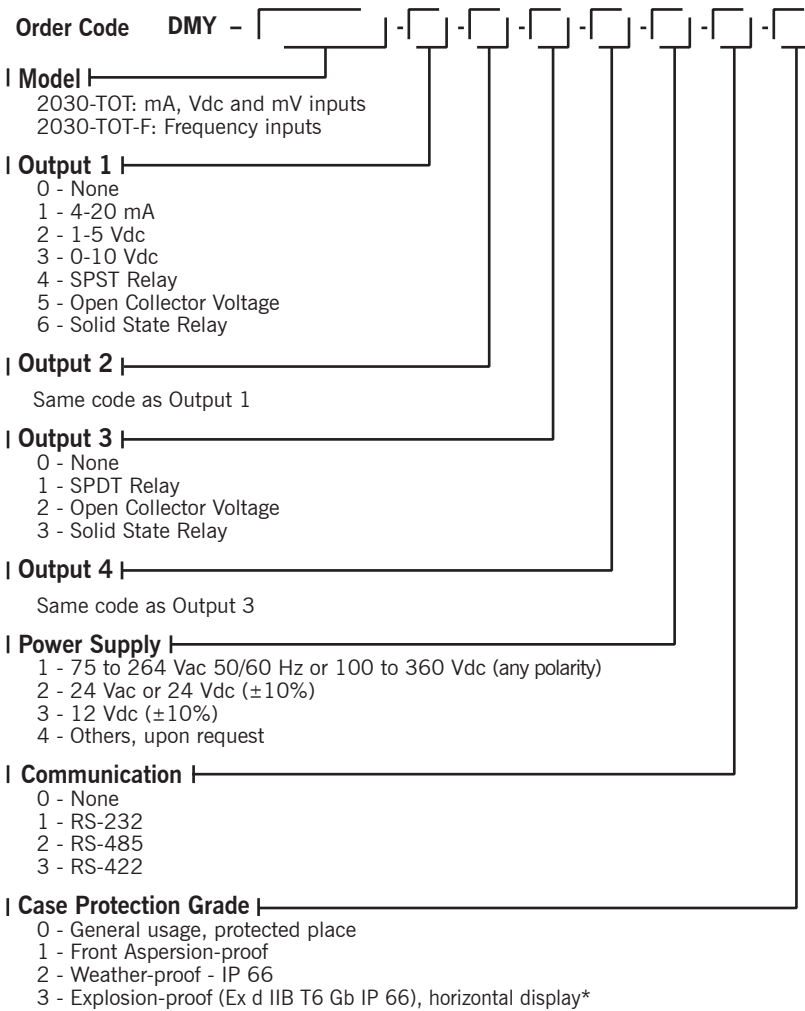


# Process Indicator and Totalizer Dual

## DMY-2030-TOT

## DMY-2030-TOT-F

- DMY-2030-TOT: Two inputs for mV, 4-20 mA, 1-5 Vdc and 0-10 Vdc.
- DMY-2030-TOT-F: Two frequency inputs up to 30 kHz, from 300 mVpp to 30 Vpp.
- 8-digit display.



\* Explosion-proof box:  
**Dimensions**  
 310 x 310 x 200 mm (HxWxD)  
**Weight**  
 11 kg nominal

### Specifications

**Inputs**  
**DMY-2030-TOT:** Two configurable inputs 0-55 mV, 4-20 mA, 1-5 Vdc and 0-10 Vdc. 4-20 mA with input impedance of 250 Ω. >10 MΩ up to 5 Vdc and 2 MΩ above 5 Vdc.

**DMY-2030-TOT-F:** Two frequency inputs for signals up to 30 kHz, from 300 mVpp to 30 Vpp.

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

**Square Root Extraction**  
 ± 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**  
 ± 0.005 % of span / °C using 25 °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 (±10 %); 12 Vdc (±10 %).

**Operating Range**  
 0 to 60 °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.