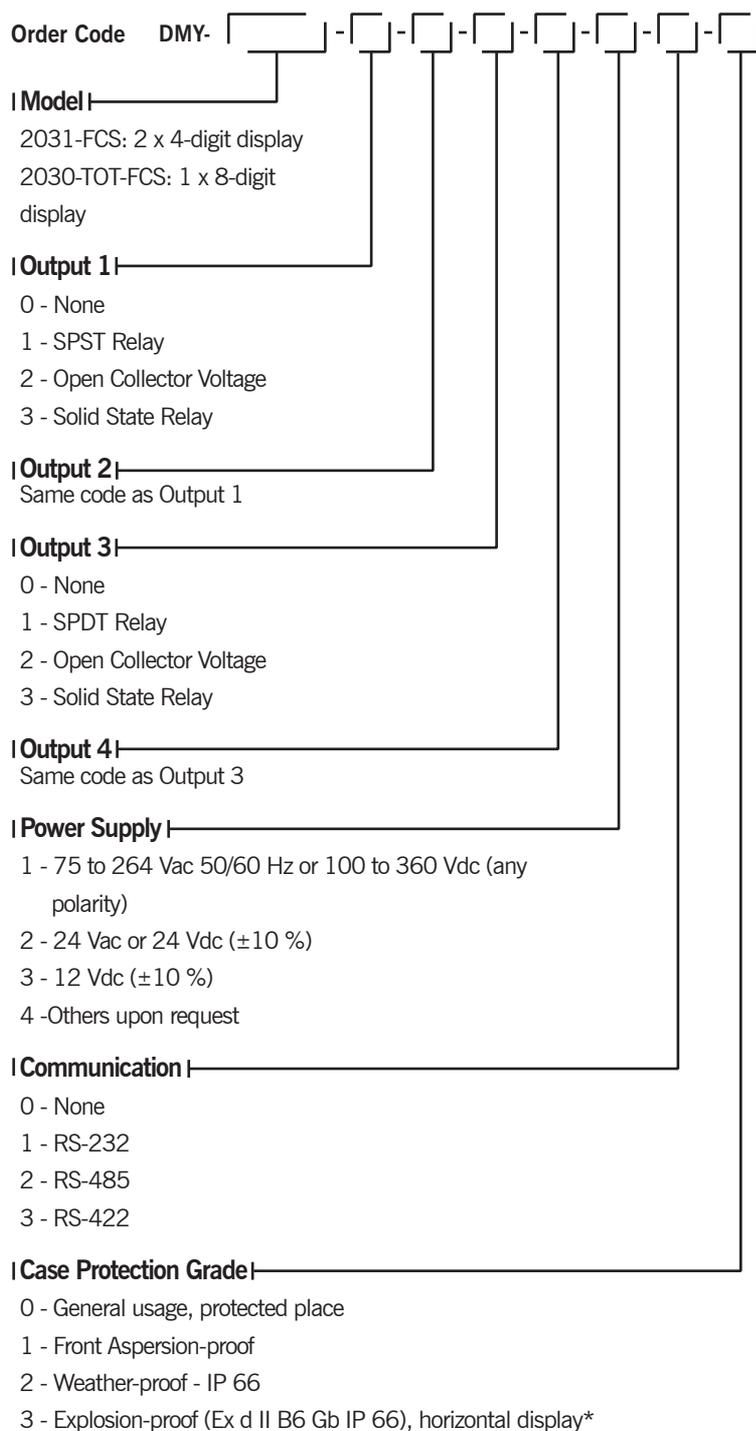# Process Counter DUAL
DMY-2030-TOT-FCS
DMY-2031-FCS

- Ideal for counting of sacks, barrels, etc. or pulses of any sector.

- Up to four digital output modules with SPDT and SPST relays.

- RS-232 or RS-422/485 Communication.

- DMY-2030 -TOT-FCS: Up to 8-digit configurable display.

- DMY-2031-FCS: Two 4-digit displays (14 mm and 9 mm).

- Robust construction in order to withstand the harshest conditions of industrial use.

- Universal power supply of 75 to 264 Vac, 50/60 Hz or 100 to 360 Vdc; 24 Vac/dc and 12 Vdc, as ordered.

- Aspersion-proof Front-panel (optional).

- Configuration stored in non-volatile memory.

PRESYS

Order Code   DMY- ☐☐☐☐ - ☐ - ☐ - ☐ - ☐ - ☐ - ☐ - ☐

⊢ Model ⊢
2031-FCS: 2 x 4-digit display
2030-TOT-FCS: 1 x 8-digit display

⊢ Output 1 ⊢
0 - None
1 - SPST Relay
2 - Open Collector Voltage
3 - Solid State Relay

⊢ Output 2 ⊢
Same code as Output 1

⊢ 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 Aspersion-proof
2 - Weather-proof - IP 66
3 - Explosion-proof (Ex d II B6 Gb IP 66), horizontal display*

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

Specifications

Inputs
Frequency inputs for signals up to 500 Hz, from 300 mVpp to 30 Vpp. DIN 19234 compliance for intrinsically safe NAMUR sensors.

Outputs
SPST and SPDT relays rated for 3A/220 Vac.
Plug provided for up to 4 modules. 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
DMY-2031-FCS: Two 4-digit red leds displays (9 and 14 mm).
DMY-2030-TOT-FCS: One 8-digit red leds display (9 mm).
Can be configured together with the decimal point.

Totalization Range
DMY-2031-FCS: 0 to 9999 counts.
DMY-2030-TOT-FCS: 0 to 99999999 counts.
Can be configured together with the decimal point.

Configuration
By front-panel push-buttons and internal jumpers.

2-wire Transmitter Power Supply
24 Vdc/50 mA maximum, isolated from output with short circuit protection.

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.