



SERIE CRISTAL DELTA-D

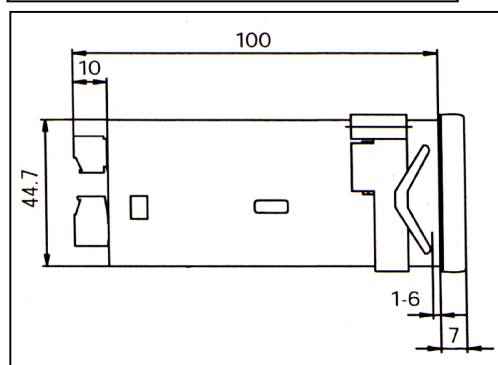
FORMAT 48 X 48 mm COUNTER 2 PRESETS
DISPLAY LCD BACKGROUND ILLUMINATION

DESCRIPTION

DELTA-D is counter with format 48 x 48 mm, high performance. At design time has been considered the concepts of **easy to use and easy to start with**. Thus, a LCD display background-illuminated, with two lines, allows to show simultaneously the counter actual value and according to programmed, the preset value P1 or P2, general totalizer or batch counter. Modifying a parameter or a preset value is very easy thanks to the keyboard like a joystick, that allows selecting quickly the desired digit and to increment or to decrement it. Also, by programming is possible to change the parameters that will be accessible to the user. One input "START" allows to activate directly the output and to start in this way a dosage cycle or positioning and as well an input "STOP" allows to stop the cycle. Compact, universal and easy to use, this counter helps to solve in an optimal way the counting problems on the most applications.

Main characteristics

- Double display LCD, background illuminated, 6 digits.
- Display of: Count, Total, Batch, Offset or scale factor
- 2 preset over 6 digits.
- Totalizer general of 8 digits.
- Batch counter
- Inputs NAMUR, NPN, PNP programmable.
- 5 counting ways, programmable.
 - Unidirectional 1 channel
 - bi-directional 1 channel + direction
 - bi-directional 2 channels phase 90 °
 - Differential 2 channels A – B
 - add 2 vias A + B
- Pulse scale factor from 0,0001 to 9999,99
- Additive or subtractive
- Function Start / Stop
- Relay 260 V AC / 1 A / 150 VA or static 40 V / 25 mA
- 24 V encoder excitation
- 3 programmable inputs
- Communication option RS485.
- Print command programmable on logical input.
- Shows the total in two alternative displays every 3 seconds when 999999 is over.
- Single, double or quadruple evaluation in bi-directional input (2 signals 90° phase)



ORDER DESIGNATION

DELTA-D202	24 / 48 V AC	2 PR / RE	
DELTA-D002	115 / 230 V AC	2 PR / RE	
DELTA-D102	12-30 V DC	2 PR / RE	
DELTA-D204	24 / 48 V AC	2 PR / NPN	
DELTA-D004	115 / 230 V AC	2 PR / NPN	
DELTA-D104	12-30 V DC	2 PR / NPN	
DELTA-D242	24 / 48 V AC	2 PR / RE	RS485
DELTA-D042	115 / 230 V AC	2 PR / RE	RS485
DELTA-D142	12-30 V DC	2 PR / RE	RS485
DELTA-D244	24 / 48 V AC	2 PR / NPN	RS485
DELTA-D044	115 / 230 V AC	2 PR / NPN	RS485
DELTA-D144	12-30 V DC	2 PR / NPN	RS485

Electrical data

Power supply..... 24 or 48 V AC, 115 or 230 V AC ± 10%
12 ... 30 V DC
Power consumption..... 5 VA, 4 W
Encoder supply 10 ... 26 V DC, 60 mA
Control inputs..... 5 to 40 V
Freq. max. Counter 3 Hz, 25 Hz, 10 kHz
Freq. max. Batch 15 Hz
Data storage..... >10 years (via EEPROM)

Ambient conditions

Ambient temperature ... 0 ... +50 °C
Storage temperature -20 ... +70 °C
Humidity Max 80%, non-condensing
Protection..... Front IP 65 to DIN 40050
General rating..... EN 61010 Part 1
- Protection class II
- Over voltage. Category II
- Contamination factor 2

Interference immunity.. EN 61000-6-2
Emitted interference..... EN 50081-2

Mechanical

Display 7-segments LCD two lines
Digits 1st line 7 mm, 2nd 4 mm
Measuring units "mm", "cm", "dm", "m", "L"
Range 0 a 999999 (6 digits)
Keypad..... 6 key
Front measures..... 48 x 48 mm
Fixing Clamping frame
Connections..... 2 Plug-in screw terminals
Weight mod. AC 260 g, mod. DC 140 g