

- High-accuracy fully programmable counter
- Programmable divider, multiplier and offset
- Multi-purpose counter with batching function
- 2 pulse counting inputs
- Up-down and down-up or quadrature
- Freely programmable 2 or 4 relay or OC outputs
- Digital interference eliminator
- 6-digit LED display-up to 999999 units
- Interface RS-485

DESCRIPTION

BDC94 is a sophisticated new-generation counter. It has a 6-digit display, which can hold up to 999999 count units.

The device has two independent counting inputs that can operate in various configurations.

A programmable function input enables changing the operating mode of the counting inputs (up-down and down-up or quadrature) or stopping the count. The BDC94 counter features an independent reset input. It has 0, 2 or 4 relay (or OC) outputs with programmable activation thresholds, which can be used to control external equipment.

TECHNICAL SPECIFICATIONS

- Construction** : Panel design to standard DIN
- Housing** : NORYL-GFN2SE1
- Isolation** : Input to output to supply
- Indication** : 5 x LED for outputs, 6-digit x 13mm high red LED (green on request)
- Keyboard** : 5 membrane keys

INPUT

- Counting** : Mechanical contact (NO) or electronic (from PNP/NPN sensor)
- Active front selection:** Programmable
- Input RESET** : NO Reset the counter to 0
- Frequency** : Max 10kHz, (5kHz for quadrature) (Contact max 90Hz adjustable filter)
- Filter** : For suppression of contact bouncing
- Preliminary divider** : programmable

MODES

- Counting modes** : 8 combinations
- Output action modes:** 4 combinations
- Counting range** : -999999 to 999999
- Programming** : Through keyboard

OUTPUT

- Output** : Up to 4 outputs
- Relay** : 250VAC 1A, NO contact
- OC** : Open collector 30V/40mA
- Sensor supply** : 24VDC +5% -10% 100mA (not isolated)
- Communication:** RS485 MODBUS 1200 to 115100 bit/s (not isolated)



INSTALLATION

- Supply** : 90 to 250VAC/DC, 16-35VAC or 19 to 50VDC
- Power consumption** : 4,5 VA, max 4,5W
- Ambient temp** : -10 to +50°C, RH 0 till 85%
- Mounting** : Panel with bracket
- Protection class** : IP54 front, IP20 rear (Option IP65 in front)
- Dimension** : B96 x H48x D102mm
- Weight** : 200g with bracket

PERFORMANCE

- Accuracy error** : < ±0.001% FS
- Display** : 6-digit LED, 5 LEDs
- Keyboard** : 5 membrane keys
- Communication:** RS485 MODBUS 1200 to 115100 bit/s
- EMC** : EN 50081-1, EN 50082-2, EN 61010-1 73/23/EEC & 89/336/EEC



ORDER INFORMATION
BDC-94-15XX-1-X-XX1

- options:**
 - 00 : no options
 - 01 : IP 65 frame
- power supply:**
 - 3 : 24V AC/DC
 - 4 : 85V - 260V AC/DC
- type of outputs:**
 - 0 : no output
 - 1 : REL
 - 2 : OC
- number of outputs:**
 - 0
 - 2
 - 4

