

## UNIVERSAL PROGRAMMABLE COUNTER

BDC94

- · 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

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### **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

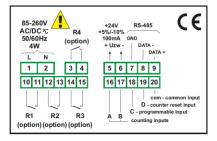
## **OUTPUT**

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**

**Communication:** RS485 MODBUS 1200 to 115100 bit/s **EMC**: EN 50081-1, EN 50082-2, EN 61010-1

73/23/EEC & 89/336/EEC

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

options:
00 : no options

**01**: IP 65 frame **power supply:** 

4:85V - 260V AC/DC

type of outputs:

3: 24V AC/DC

0 : no output1 : REL2 : OC

number of outputs:

0 2 4



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UNIVERSAL PROGRAMMABLE COUNTER BDC94

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