

CN6 - INTELLIGENT SCREEN 6 DISTRIBUTION DISPLAY

1. Overview

1.1 Functional modes - 4 counts: Count up, count down, depending on the control input. When pulses are fed to the two inputs, it subtracts or identifies phase shift and counts up or down, respectively.

1.2. Counting speed: 50Hz-500Hz-1kHz-3kHz-20kHz

1.3. Additional relay, open collector output

1.4. Memory function.

2. Technical data:

Display range: -199999 ~ 999999, the decimal point position can be set

Display digits height: 15mm

Accuracy: $\pm 0.005\%$

Maximum Input Frequency: 20kHz (15kHz Encoder)

Input signal, shape impulses: rectangular, sinusoid, triangular

Input signal: NPN, PNP(+ resistor 1 ... 6kOhm of terminals GND --- IN1), open collector, Hall sensor, two-phase rectangular pulses, mechanical contact, contactless key, incremental encoder

Signal input voltage:

High level: 4 ... 30V

Low level: 0 ... 0.7V (other levels must be specified when ordering)

The controller feeds sensors: 5V and 12V DC voltage to the sensor (optional: 24V and other voltages-customized.)

Relay output / typical: 3A 220VAC

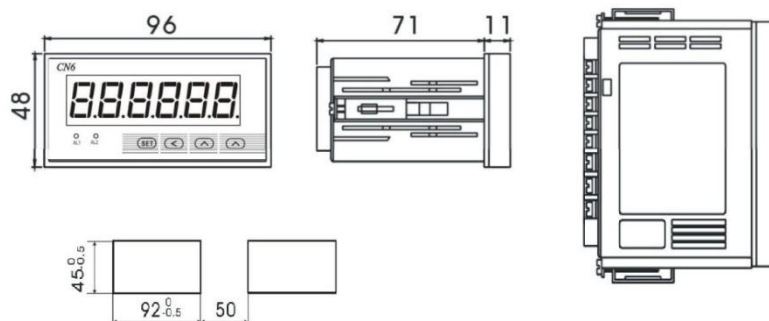
Optional output Open collector: voltage <30V, current <100mA

Power supply: 85 ~ 265VAC

Power Consumption: <4VA

Operating environment: Temperature: 0 ... 50 ° C, humidity <90% RH

3. Dimensions: 92x48x71mm, Panel cut out: 92x45mm

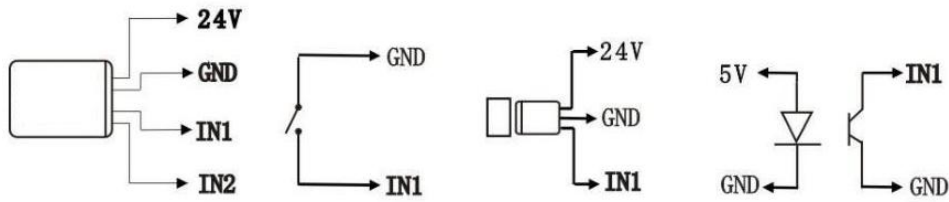


4. ORDER CODE CN6 - C - V0 - R - N

CN6 - Model

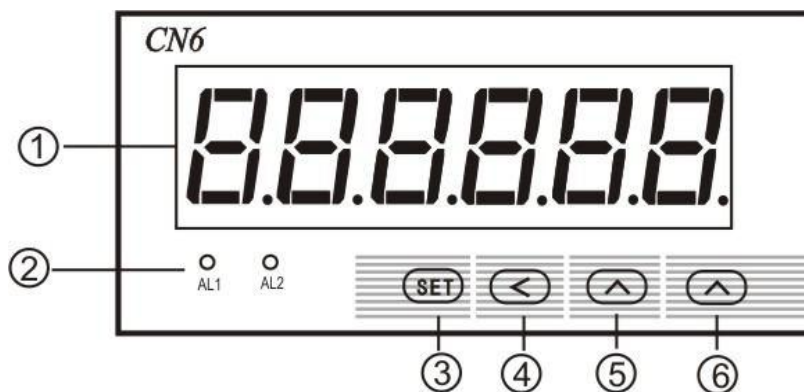
C - Product Type Counter Counter

5.2 Sensor connection:



6. Panel and buttons

6.1. Description



1 - Display shows a measured value or parameters and settings

2 - indications

AL1: Relay Status 1

AL2: Relay Status 2

3 - [SET] setting button:

In the measurement state, press once to enter the relay settings, parameters from point 7.1.

In the measurement state, press 3s or more to enter the relays saturation parameters of point 7.2.

In settings status, the parameters are crawled and validated.

4 - Button [<]: Moves to a higher discharge in the setting state

5 - Reduce button [v]: The setting state is used to decrease the value of the parameter

6 - Increase [^] button: In setting state, it is used to increase the value of the parameter;

6 - Button [^] in metering mode: Used to reset if the parameter [KCLR] = 0