

533K.2

Setpoint Generator/ Time Based Process Adjuster

FEATURES

- Function of a digital time controller with analog output.
- Manual functions with direct input or stepped incremental output of the setpoint.
- 4-digit 8 mm high top-quality LED display
- Physical variables output in the form of 0 to 12 V or 0 to 24 mA analogue signals.
- Units of display can be freely programmed and displayed – no conversion of the specified output value required.
- High accuracy of < 0.1% of the final value.



COST-SAVING AND COMPACT:

- Ideal for simulation runs without the need for expensive, time-consuming running-in of processes.
- Processes become more cost-effective
- DIN 48 x 24 mm panel-mount housing with installation depth of only 59 mm.

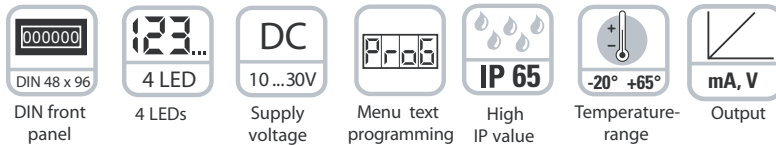
DESCRIPTION

The set-point generator / adjuster 533k.2 triggers a standard signal or a freely programmable signal sequence from 0 ... 12 V or from 0 ... 24 mA The set-point generator / adjuster 533K.2 is a real innovation opening up new application potentials in process technology and automation. .

USER-FRIENDLY:

- Simpler to run processes than with a PLC or process controller.
- Everything can be programmed easily by means of 2 keys and the text menu.
- Digital setting - no additional DIP switches or potentiometers.
- Display allows simple monitoring of the specified setpoint output.
- Comfortable display form as direct digital value

DIGITAL PANEL METERS

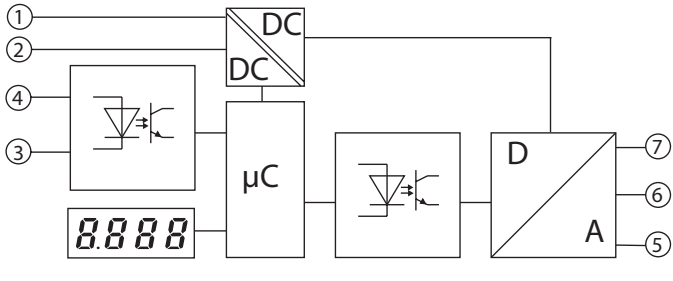


SPECIFICATIONS

| | |
|------------------------|---|
| Supply voltage: | 10 ... 30 V DC, galvanically isolated with integrated protection against incorrect polarity |
| Power consumption: | max. 1W |
| Display: | 4-digit display, red 7-segment LEDs; height 8 mm [0.35"] |
| Data backup: | EEPROM |
| Housing: | housing for control panel 48 x 24 mm [1.89 x 0.945"] accord. to DIN 43 700; RAL 7021, dark grey |
| Protection: | IP65 (front) |
| Operating temperature: | -20 ... +65 °C [-4 ... +149 °F] |
| Storage temperature: | -25 ... +85 °C [-13 ... +185 °F] |
| Conformity: | conforms to CE requirements acc. to the EC directive 89/36/EEC |
| EMC: | interference emissions EN 55011 class B interference resistance EN61000-6-2 |

| | |
|---------------------|--|
| Test voltages: | EN 61010-1, degree of soiling 2 and overvoltage category 2 |
| Test voltage: | 500 V, 50 Hz, 1 min. |
| Current output: | 0 ... 24 mA, increment 10 µA load 20 mA up to ≤ 500 Ohm, > 20 mA up to ≤ 400 Ohm |
| Voltage output: | 0 ... 12 V, increment 10 mV load ≥ 2 kOhm |
| Control input | High: 4 ... 30 V DC |
| Hold (high active): | Low: 0 ... 2 V DC |
| Accuracy: | < 0.1 % of the terminal value ±0.01 %/K |
| Weight: | approx. 50 g [1.764 oz.] |
| Connections: | screw terminal, pitch 5.08 mm, 7 poles |

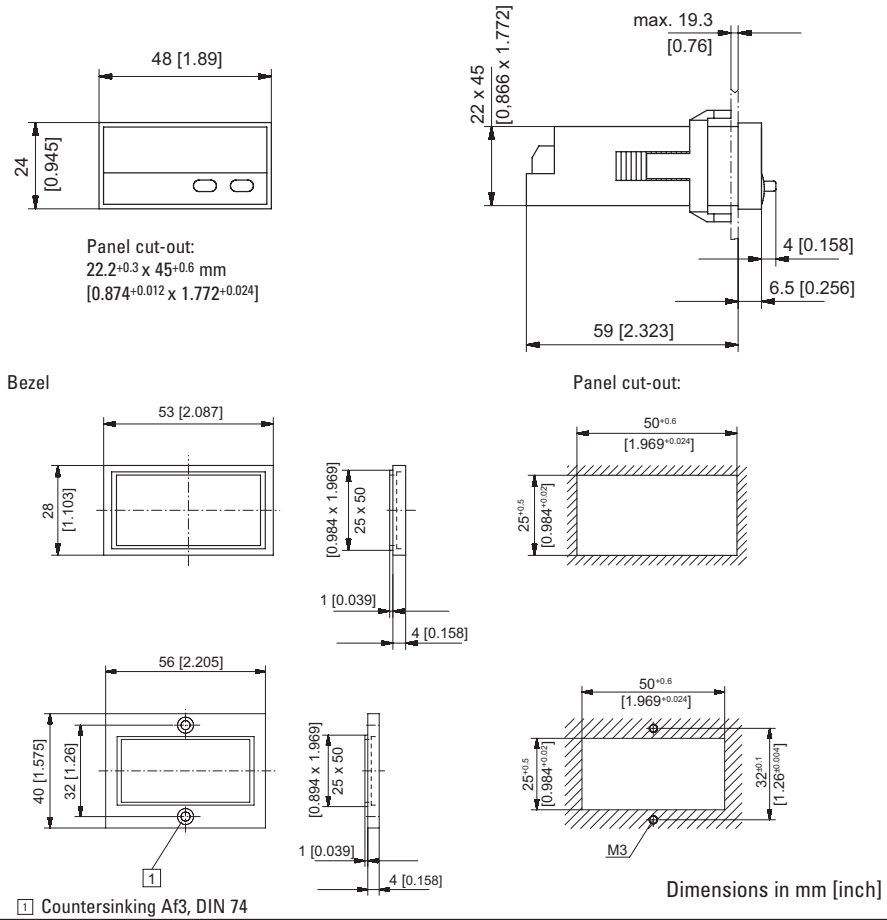
Block diagram:



Inputs
 1: 10 ... 30 V DC
 2: GND_1
 3: GND_2
 4: Hold

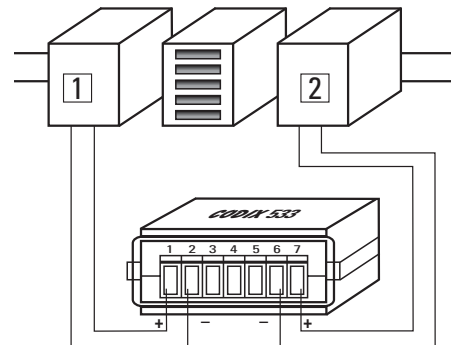
Outputs
 5: 0 ... 24 mA (I_{out})
 6: GND_3
 7: 0 ... 12 V DC (U_{out})

Dimensions:



Terminal assignment:

- | | |
|-----------------|-----------------|
| 1 10 ... 30 VDC | 5 0 ... 24 mA |
| 2 GND 1 | 6 Analog GND 3 |
| 3 GND 2 | 7 0 ... 10 V DC |
| 4 Hold | |



- 1 Power supply
- 2 Analogue input

Delivery includes:

- Digital display
- Panel mounting clip
- Bezel for clip mount,
- panel cut-out 50 x 25 mm [1.969 x 0.984"]
- Bezel for screw mount,
- panel cut-out 50 x 25 mm [1.969 x 0.984"]
- Seal
- 1 set of self-adhesive symbols
- Multilingual operating instructions

Ordering Information:

Order#: 533K.2 - Setpoint Generator/
 Time Based Process
 Adjuster

Options

- 32DINRAIL - DIN Rail Mounting Frame
- DR-4 - 4" DIN Rail