

## Codix 543, Timer or short time meter

- High count speed, numerous programming options
- Display programmable in sec., min., hrs., or h.min.sec
- Wide power supply range

Resolution up to 0.001 sec  
programmable via decimal point

Large, bright display, 14mm high

Programmable set value



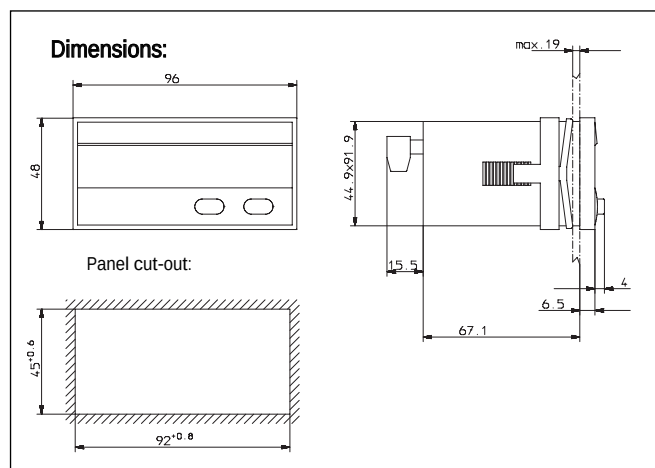
Gate, start and stop  
via 2 inputs

Big keys for use when  
wearing gloves

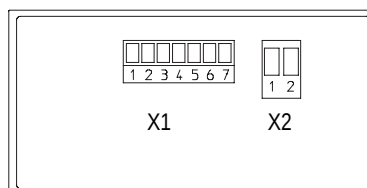
### Technical data

|                                              |                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------|
| Supply voltage                               | 10 ... 30 V DC, with reverse polarity protection                                                |
| Current consumption:                         | max. 50 mA, 6 VA                                                                                |
| Display:                                     | 6-digit red 7 segment LED display;<br>14 mm high                                                |
| Data backup:                                 | EEPROM                                                                                          |
| Housing:                                     | Dimensions 96 x 48 mm according to<br>DIN 43 700; RAL 7021, grey                                |
| Polarity of Inputs:                          | programmable, npn or pnp for all inputs                                                         |
| Input resistance:                            | approx. 5 kΩ                                                                                    |
| Resolution:                                  | up to 0.001 s                                                                                   |
| Reset time:                                  | 5 ms                                                                                            |
| Input switching level<br>(standard version): | DC-version:<br>Low: 0 ... 0.2 x U <sub>B</sub> [V DC]<br>High: 0.6 x U <sub>B</sub> ... 30 V DC |

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
|                                         | AC-version                              |
|                                         | Low 0 ... 4 V DC                        |
|                                         | High 12 ... 30 V DC                     |
| Input switching level<br>(5 V version): | Low 0 ... 2 V DC                        |
|                                         | High 4 ... 30 V DC                      |
| Supply voltage for<br>sensors:          | 24 V DC ±15 %/100 mA at AC-version      |
| Accuracy:                               | <50 ppm                                 |
| Ambient temperature:                    | -20 ... +65 °C, non-condensing          |
| Storage temperature:                    | -25 ... +70 °C                          |
| EMC:                                    | according to EC EMC directive 89/36/EWG |
| Immunity to interference:               | EN 61 0006-4/EN 55 011 class B          |
| Emitted interference:                   | EN 61 000-6-2                           |
| Protection:                             | IP65 (front)                            |
| Weight:                                 | appr. 150 g                             |



### Connection :



#### Connection X2

| Pin | AC-Version      | DC-Version     |
|-----|-----------------|----------------|
| 1   | 90 ... 260 V AC | 0 V DC (GND)   |
| 2   | 90 ... 260 V AC | 10 ... 30 V DC |

#### Connection X1

| Pin | AC-Version                   | DC-Version |
|-----|------------------------------|------------|
| 1   | Optocoupler output Emitter   |            |
| 2   | Optocoupler output Collector |            |
| 3   | Reset                        |            |
| 4   | INP B                        |            |
| 5   | INP A                        |            |
| 6   | GNDout                       | n.c.       |
| 7   | +24 Vout                     | n.c.       |

Order code::

6.543.01X.XX0

Output  
1 = Optocoupler  
output  
2 = no output

Input switching  
level  
0 = Standard level  
A = 5 V level

Power supply  
0 = 90 ... 260 V AC  
3 = 10 ... 30 V DC

Scope of delivery:  
Digital display  
Mounting clip

Seal  
Multilingual operat-  
ing instructions