elapsed-time counter

PRODUCT: elapsed-time counter

DESIGN: 03 48x48x67.5

- ✓ **easy operation thanks to rocker switches**
- ✓ **bicolored, easy readable display**
- ✓ **simultaneous display of elapsed time and preset value**
- ✓ **8 time functions and 8 time ranges selectable via DIP-switches**
- ✓ **key lock**
- ✓ **floating relay output**
- ✓ **little fitting depth**
- ✓ **front-side system of protection IP66**
- ✓ **2 years warranty**
- ✓ **delivery in storage box**

technical data	CZ030110	CZ034410
operating voltage	12 … 24V DC (-15/+10%)	100 … 240V AC (-15/+10%)
frequency	-	50 / 60Hz
residual ripple	max. 20%	-
max. power consumption	3W	10VA
elapsed time display	red LED, 4 decades; 7mm high	
preset value display	yellow LED, 4 decades, 4mm high	
time range	from 9.999sec to 999.9h selectable via DIP-switch	
signal inputs	floating contact or open-collector input npn, max. 40V DC	
min. pulse width for reset, stop and signal input	20msec / 1msec selectable	
output	1 relay, change-over contact 5A / 250V AC	
counting mode	up / down	
housing material	plastic	
system of protection	IP66 to EN 60529 (front side with rubber sealing)	
ambient temperature	-10°C … +55°C	
electrical connection	screw terminals	

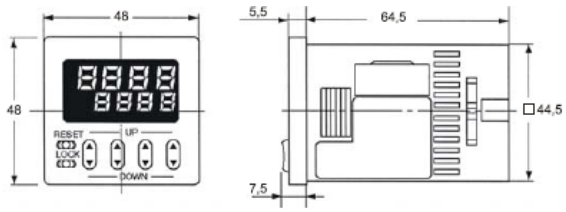
evaluation systems

elapsed-time counter

DIP-switch settings

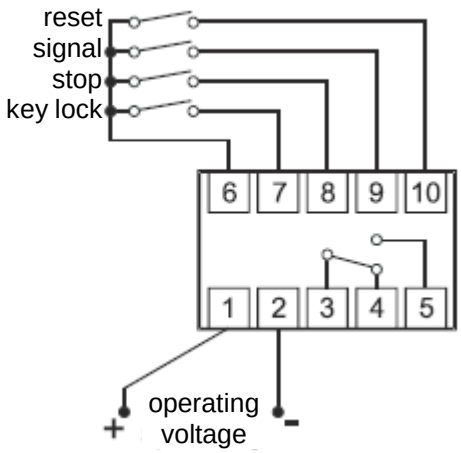
	function	DIP-switch	
		OFF	ON
1	time functions	8 time functions selectable via DIP-switches	
2			
3			
4	min. input pulse width “reset”, “signal”, “stop”	20msec	1msec
5	time direction	forwards s	backwards ts
6	time range	8 time ranges selectable via DIP-switches	
7			
8			

dimensional drawing



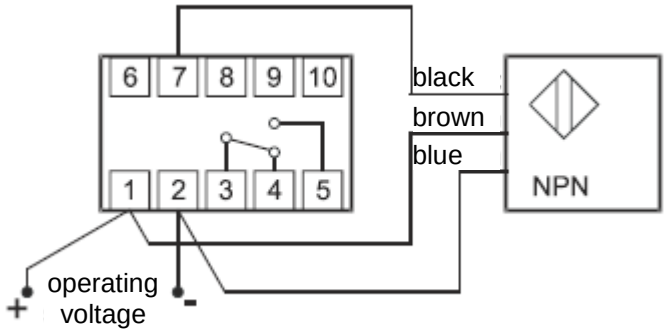
electrical connection

floating triggering



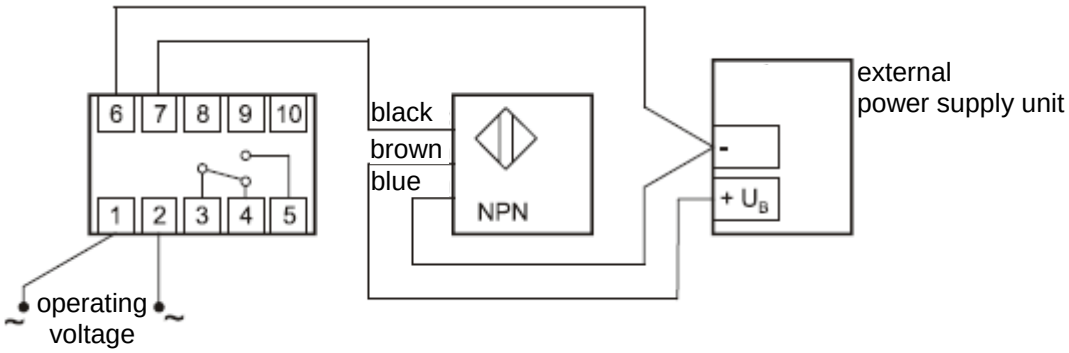
electronical triggering CZ030110

(example for key lock)



electronical triggering CZ034410

(example for key lock)



article-no: **CZ 03 01 10 (12V … 24V DC)**
CZ 03 44 10 (100 … 240V AC)

You will receive an operating manual when the device is supplied. This will provide a detailed explanation concerning the functions and setting.

Warning: Never use these devices in applications where the safety of a person depends on their functionality.