

## Electronic timers CT-D range



## Electronic timers CT-D range: Applications and advantages



CT-MFD

**S**ince a number of years, ABB electronic timers have been successfully used by our customers in diverse applications. The CT-D range is the most modern part of our timer program. Five single-function timers are available, as well as a multifunction version with 7 functions for a maximum of flexibility in use. All our electronic timers offer 7 time ranges from 0.05 seconds to 100 hours and feature wide-voltage range input terminals. This is sophisticated and modern technology of the highest quality – just as you can demand of ABB.



## Functions and operation

- ① 7 selectable time ranges from 0.05 s - 100 h
- ② Potentiometer with direct reading scale to set the desired time delay.
- ③ Rotary switch to preselect the desired function.
- ④ Display of operational status by 2 LEDs

U – supply voltage  
= green LED, flashing while timing

R – output relay energized  
= red LED

## CT-D range features

- 1 multifunction and 5 single-function timers
- Multisupply voltage range A1-A2, 24-240 V AC / 24-48 V DC
- 1 c/o contact (250 V / 8 A)
- 7 time ranges 0.05 s - 100 h
- Parallel load to the control contact possible

■ Marks:



Approvals: (pending)

## ■ Multivoltage supply

All standard control voltages 24-240 V AC / 24-48 V DC are connected to the terminals A1-A2.

## ■ Connection terminals

Wide terminal spacing allows connection of 2x1.5 mm<sup>2</sup> (2x16 AWG) with or 2x2.5 mm<sup>2</sup> (2x14 AWG) sized wires without ferrules.

## ■ Shaping

The width of only 17.5 mm saves space in the control panel.

## ■ Direct reading scales

Direct adjustment of the delay time speeds up installation.

## ■ Display of operational states

The front-face LEDs display supply voltage and relay status. The green supply voltage LED flashes while timing.

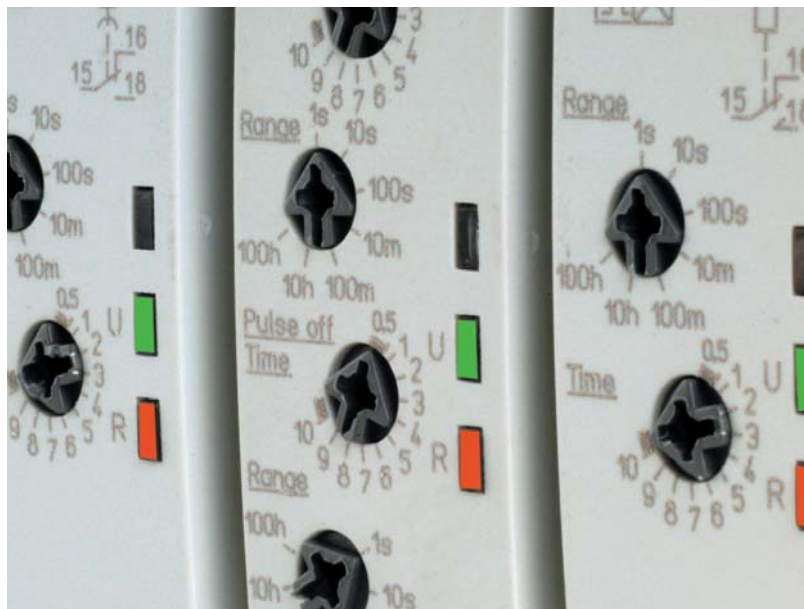
## ■ Manual setting tool

As an accessory, a manual setting tool is available.

## Electronic timers CT-D range



In modern processing and automation applications, state-of-the-art time relays are of great importance. Thus, ABB as a global player in energy and automation technology has put a lot of effort in this product range. The electronic timers of the CT-D range feature an innovative and persuasive solution to your needs. Details like the easily understandable front-side operation ensure a fast and straightforward integration into your equipment. And the well-proven ABB quality means that you can rely on these time relays. ABB – industry electronics of the highest standards.



Type	Function	Symbol	Time range	Supply voltage	Remarks	Order code
<b>CT-MFD</b>	Multifunction time relay: ON-delay, OFF-delay with aux. voltage, impulse-ON, pulse former with aux. voltage, impulse-off with aux. voltage, flasher, starting with impulse-ON, flasher, starting with impulse-OFF		7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 020 R 0000
<b>CT-ERD</b>	ON-delay	☒	7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 100 R 0000
<b>CT-AHD</b>	OFF-delay	■	7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 110 R 0000
<b>CT-VWD</b>	impulse-ON	1 ⌋ ☒	7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 130 R 0000
<b>CT-EBD</b>	flasher, starting with ON	⌋ ☒	7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 150 R 0000
<b>CT-TGD</b>	pulse generator: ON - and OFF time adjustable independently from each other	⌋ ☒	2x7 time ranges (0.05s-100h)	24-240 V AC, 24-48 V DC	1 c/o, 2 LEDs	1SVR 500 160 R 0000



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