Product leaflet

CT-C Range

Time relays



The CT-C range combines lower cost with higher value and performance by offering essential functions in a 17.5 mm housing, freeing up room in any control cabinet. The range includes 11 devices, offering both single and multifunctional types, with a time range from 0.05 seconds to 100 hours.

Equipped with wide voltage ranges, CT-C time relays allow for use across a huge variety of applications worldwide.

Space saving

With a width of just 17.5 mm, the CT-C range is 22% smaller than standard industrial housings for time relays. Its reduced overall footprint saves space in control cabinets. For more flexibility both 1 c/o and 2 c/o output versions are offered in the compact housing.

Cost effective solution

The CT-C range is an economical range that combines lower cost with higher value and performance. It suits basic applications where a time relay is needed, while offering improved functionality in each device.

Optimized logistics

By combining more functions into each device, the CT-C range makes it possible to reduce stock by up to 75% compared to other ranges. All devices in the CT-C range offer a wide supply voltage range as well as a wide time setting range from 0.05 seconds to 100 hours. This significantly reduces order code variants.

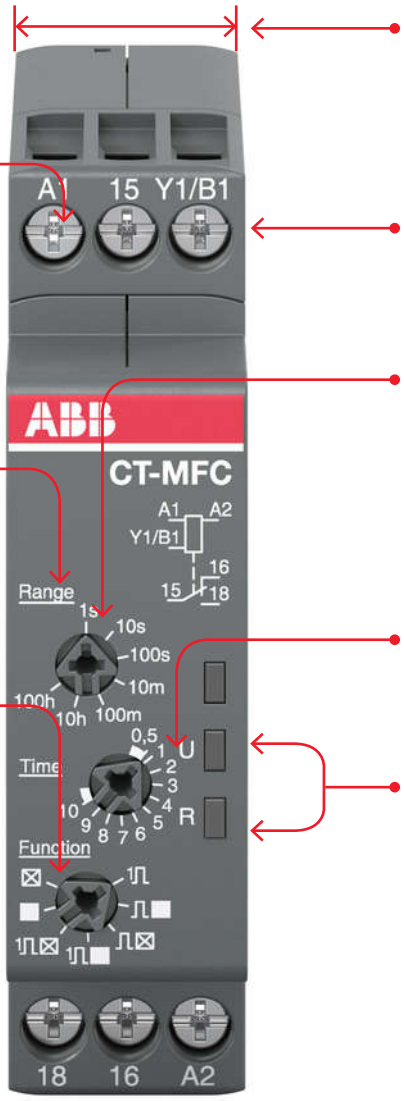
Operating Controls

Connection terminals
Wide terminal spacing allows connection of wires:
2 x 1.5 mm² (2 x 16 AWG) with wire end ferrules or 2 x 2.5 mm²
(2 x 14 AWG) without ferrules.

Preselection of the time range

Selection of the timing function

- ON-delay
- OFF-delay with aux. voltage
- Impulse-ON
- Impulse-OFF with aux. voltage
- Flasher starting with ON
- Flasher starting with OFF
- Pulse generator starting with ON or OFF



Width 17.5 mm
With their width of only 17.5 mm the CT-C time relays are ideally suited for installations with limited space

Control input to start timing

Direct reading scales
Direct setting of the time delay without any additional calculation provides accurate time delay adjustment.

Fine adjustment of the time delay

LEDs for status indication
All actual operational states are displayed by front-facing LEDs, thus simplifying commissioning and troubleshooting.

- U - green LED:
  ⎍ control supply voltage applied / ⎍⎍ timing
- R, R1, R2 - yellow LED:
  ⎍
  output relay energized

Applications

Remote control of time delays with a remote potentiometer.

Cyclic switching of machinery e.g. weekly startup of a fan to prevent tight fit or flushing of pipes for cleaning to avoid clogging.

Lighting control e.g delayed switching of multiple rows of lamps in e.g. production facilities or greenhouses.

CT-E to CT-C conversion table

	CT-E Range		CT-C Range	
Timing Function	**Type**	**Part number**	**Type**	**Part number**
Multifunctional	CT-MFE [1]	1SVR550029R8100	CT-MFC.12 [2]	1SVR508020R0000
ON-Delay	CT-ERE	1SVR550107R1100	CT-ERC.12	1SVR508100R0000
		1SVR550107R4100		
		1SVR550107R2100		
		1SVR550107R5100		
		1SVR550100R1100		
		1SVR550100R4100		
		1SVR550100R2100		
		1SVR550100R5100		
OFF-Delay	CT-AHE	1SVR550118R1100	CT-AHC.12	1SVR508110R0000
		1SVR550118R4100		
		1SVR550118R2100		
		1SVR550110R1100		
		1SVR550110R4100		
		1SVR550110R2100		
		1SVR550111R1100		
		1SVR550111R4100		
		1SVR550111R2100		
Impulse-ON	CT-VWE	1SVR550137R1100	CT-VWC.12	1SVR508130R0000
		1SVR550137R4100		
		1SVR550137R2100		
		1SVR550130R1100		
		1SVR550130R4100		
		1SVR550130R2100		
	CT-AWE	1SVR550148R1100		
		1SVR550148R4100		
Impulse-OFF	CT-AWE	1SVR550148R2100	CT-MFC.12	1SVR508020R0000
		1SVR550141R1100		
		1SVR550141R4100		
		1SVR550141R2100		
Star-Delta	CT-YDE	1SVR550207R1100	CT-SDC.22	1SVR508211R0100
		1SVR550207R4100		
		1SVR550207R2100		
		1SVR550200R1100		
		1SVR550200R4100		
		1SVR550200R2100		
	CT-SDE	1SVR550217R4100	CT-SAC.22	1SVR508210R0100
		1SVR550210R4100		
		1SVR550212R4100		

1) ON-Delay, OFF-Delay w. auxiliary voltage, Imulse-ON, Flasher starting ON, Flasher starting OFF, Pulse former

2) ON-Delay, OFF-Delay w. auxiliary voltage, Impulse-ON, Impulse-OFF, Flasher startin ON, Flasher startin OFF, Pulse former

Please check the catalog data for further information and the usability of the new product in your application.
For selected timing functions, variants with 2 c/o are available.

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