

Delay on Make Timer CT-ERD Relay Output



Screw Clamp Connections

- 17.5 mm Wide, DIN Mounting
- 0.05 s ... 100 h in 7 Ranges
- Repeat Accuracy $\leq \pm 0.5\%$
- 6 A Isolated SPDT Relay Output
- 2 LED's To Indicate Operational Status
- 24 ... 240 V AC; 24 ... 48 V DC

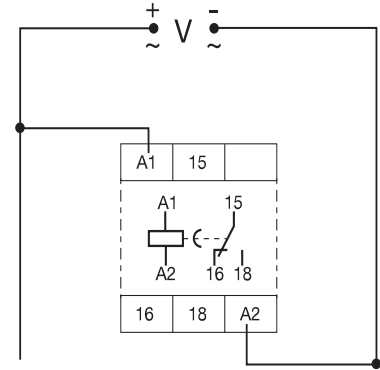
Description

The CT-ERD Series is a cost effective, 17.5mm wide DIN 3 mountable Delay on Make timer. Onboard adjustable delays from 0.05 s to 100 h are available in 7 ranges. The repeat accuracy is less than $\pm 0.5\%$. The green LED lights when power is applied and the red LED lights when the output relay energizes. The isolated SPDT relay contacts are rated 6 A resistive.

Operation

Upon application of input voltage, the time delay begins. The output relay is de-energized before and during the time delay. At the end of the time delay, the output relay energizes and remains energized until input voltage is removed. RESET: Removing input voltage resets the time delay and output.

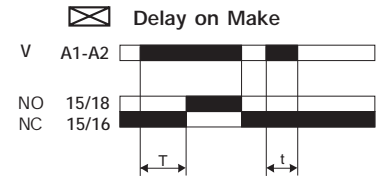
Approvals:



7 Time Ranges		Input Voltage	Part Number
1 0.05 ... 1 s	5 5.0 ... 100 m	24 ... 240 V AC; 24 ... 48 V DC	1SVR 500 100 R 0000
2 0.5 ... 10 s	6 0.5 ... 10 h		
3 5.0 ... 100 s	7 5.0 ... 100 h		
4 0.5 ... 10 m			

Technical Data

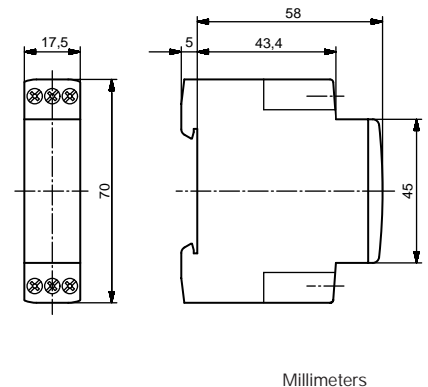
Input	
Voltage/Power Consumption	A1-A2 24 ... 240 V AC; 24 ... 48 V DC / $\cong 2.0$ VA/W
Tolerance	-15 % ... +10 %
Frequency	DC or 50 ... 60 Hz
Time Delay	
Range	0.05 s ... 100 h in 7 Ranges
Recycle Time	≤ 50 ms
Repeat Accuracy	$\leq \pm 0.5\%$
Time Delay vs Input Voltage Tolerance	$\leq 0.5\%$
Time Delay vs Temperature	$\leq 0.06\%/^{\circ}\text{C}$
Status Display	
Supply Voltage	LED green
Output Relay Energized	LED red
Output	
Rated Voltage	15-16/18 250 V
Rating	Isolated Relay Contact, SPDT 6 A resistive @ 230 V AC (AC 12) 3 A inductive @ 230 V AC (AC 15) 6 A resistive @ 24 V DC (DC 12) 2 A inductive @ 24 V DC (DC 13)
Switching Voltage	≤ 240 V AC
Mechanical Life	$\leq 30 \times 10^5$ operations
Electrical Life (4A resistive @ 230 V AC)	$\leq 1 \times 10^5$ operations
External Fuse For (NO) Contact Protection	≤ 10 A fast acting
General	
Rated Impulse Withstand Voltage (Vimp)	4 kV/1.2 ... 50 μs
Operating/Storage Temperature	-20°C ... +60°C / -40°C ... +85°C
Mounting on DIN Rail (EN 50022)	Snap-on mounting/Screw mounting with adaptor
Wire Size Stranded with Wire End Ferrules	2 x 14 AWG (2 x 2.5 mm ²)
Weight	$\cong 2.1$ oz (60 g)
Dimensions (W x H x D)	0.69 x 2.76 x 2.48 in (17.5 x 70 x 63 mm)



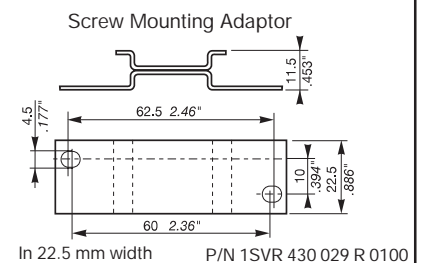
Legend

- V = Voltage
- NO = Normally Open
- NC = Normally Closed
- T = Complete Time Delay
- t = Incomplete Time Delay
- = OFF, open, de-energized
- = ON, closed, energized

Mechanical



Accessories



In 22.5 mm width P/N 1SVR 430 029 R 0100