Delay On Break (OFF Delay) CT-AHD Timer Relay Output



- 17.5 mm Wide, 35 mm DIN Rail Mounting
- Universal Voltage 24 ... 240 V AC; 24...48 V DC

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- 7 Time Ranges From 0.05s ... 100 h
- Repeat Accuracy ≤ ± 0.5% ■ 6 A Isolated SPDT Relay
- Output
- 2 LED's Indicate Status

Approvals: c (UL)us

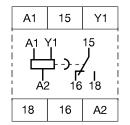


Delay On Break (OFF-delay with auxiliary voltage): Supply voltage must be applied before and during timing; the green LED glows. Upon closure of the initiate switch S1, the output relay energizes and the red LED glows. The time delay begins when S1 is opened. The output remains energized during timing and the green LED flashes. At the end of the time delay, the output de-energizes and the red LED is OFF. The output will energize if S1 is closed when supply voltage is applied.

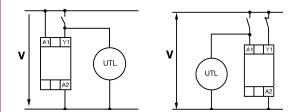
Reset: Re-closing S1 during timing resets the time delay. Removing supply voltage resets the time delay and the output relay.

LED Operation	Green LED	Red LED
Voltage Applied	ON	N/A
Relay Energized	ON	ON
Timing	Flashing	ON
Voltage Removed	OFF	OFF

Connection



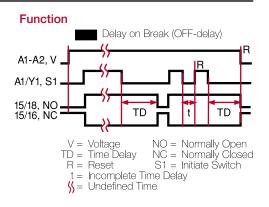
Wiring Diagrams



NOTE: An optional untimed parallel load can be connected to A1 or Y1 as shown.

Ordering Table

	Supply Voltage	e Time Ranges	Part Number
00	24 240 V AC 2448 V DC	0.05 1 s 0.5 10 s 5.0 100 s 0.5 10 m 5.0100 m 0.5 10 h 5.0 10 h	1SVR 500 110 R 0000



Low Voltage Products & Systems

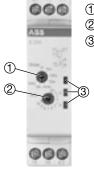


See accessory pages for specifications.

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Technical Data		
Input Voltage/Power Consumption A1-A2 Tolerance Frequency Initiate Time	24 240 V AC; 2448 V DC/ ≅ 2.0 VA / W -15% +10% 50 60 Hz ≥ 20 ms	
Time Delay Range Reset Time Repeat Accuracy Time Delay vs Input Voltage Tolerance Time Delay vs Temperature	0.05 s 100 h in 7 ranges ≤ 50 ms ≤ +/- 0.5% ≤ 0.5% ≤ 0.06%/°C	
Status Display Supply Voltage Output Relay Energized	LED green LED red	
Output15-16/18Rated VoltageVDE 0100, IEC947-1RatingSwitching VoltageSwitching VoltageElectrical LifeElectrical Life (4A resistive @ 230 V AC)External Fuse For (NO) Contact Protection	Isolated SPDT Relay 250 V 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) \leq 240 V AC \leq 30 x 10 ⁶ operations \leq 1 x 10 ⁵ operations \leq 10 A fast acting	
General Rated Impulse Withstand Voltage (Vimp) Operating/Storage Temperature Mounting on DIN Rail (EN 50022) Wire Size Stranded with Wire End Ferrule Weight Dimensions (W x H x D)	4 kV/1.2 50 μS -20°C +60°C / -40°C +85°C Snap-on mounting/Screw mounting with adaptor 2 x 14 AWG (2 x 2.5 mm ²) ≅ 2.1 oz (60 g) 0.69 x 2.76 x 2.48 in. (17.5 x 70 x 63 mm)	

Face View

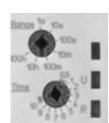


1 - Time range selection switch, 7 ranges

2 – Time delay adjustment

③ – LED Indicators

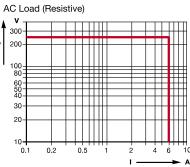
R-Red - Output relay energized U-Green - Voltage applied U-Green (Flashing) - Timing



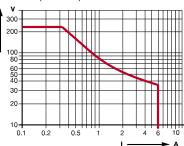
The time range selection switch displays the longest time delay in the range in seconds, minutes, or hours.

The time delay adjustment has a 0.5 to 10 reference dial. Use the time range setting as a multiplier, 1s = x0.1, 100s = x10.



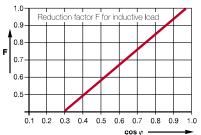


DC Load (Resistive)

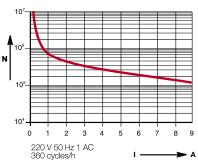


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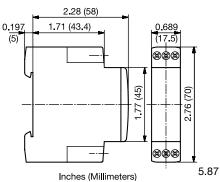
Reduction Factor for Inductive AC Load



Contact Lifetime



Mechanical View



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