# **Recycling Unequal Times (Pulse Generator) CT-TGD** Timer **Relay Output**



- 17.5 mm Wide, 35 mm **DIN Rail Mounting**
- Universal Voltage 24 ... 240 V AC; 24...48 V DC
- 7 Time Ranges From 0.05 … 100 h
- Selectable Wiring for ON or **OFF** Time First
- Repeat Accuracy ≤ ± 0.5% 6 A Isolated SPDT Relay
- Output ■ 2 LED's Indicate Status



### Operation

Recycle Both Times Adjustable (Pulse Generator) [ON Time First]: Upon application of supply voltage, the output relay energizes and TD1 begins. At the end of the TD1, TD2 begins and the output relay de-energizes. At the end of TD2, TD1 repeats and the output relay energizes. This cycle continues until supply voltage is removed.

Reset: Removing supply voltage resets the time delay, output relay, and the sequence to the ON delay.

Recycle Both Times Adjustable (Pulse Generator) [OFF Time First]: Requires Jumper Wire J1 connected A1 to Y1. Upon application of supply voltage, the output relay remains de-energized and the TD1 begins. At the end of the TD1, TD2 begins and the output relay energizes. At the end of TD2, TD1 repeats and the output relay de-energizes. This cycle continues until supply voltage is removed.

Reset: Removing supply voltage resets the time delay, output relay, and the sequence to the OFF delay.

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

### **Connection** (ON Time First)



### Wiring Diagrams



### **Ordering Table**

Supply Voltage	Time Ranges	Part Number
24 240 V AC 2448 V DC	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	1SVR 500 160 R 0000

### Function



A1/Y1 Open = Starting with ON

Accessories



See accessory pages for specifications.

5.206

Low Voltage Products & Systems

## **Recycling Unequal Times (Pulse Generator) CT-TGD** Timer **Relay Output**

### **Technical Data**

Input Voltage/Power Consumption A1-A2 Tolerance Frequency	24 240 V AC; 2448 V DC/ ≅ 2.0 VA / W -15% +10% 50 60 Hz
<b>Time Delay</b> 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
Output 15-16/18   Rated Voltage VDE 0100, IEC947-1   Rating VDE one of the second seco	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 <sup>6</sup> operations $\leq$ 1 x 10 <sup>5</sup> operations $\leq$ 10 A fast acting
<b>General</b> Rated Impulse Withstand Voltage (Vimp) Operating/Storage Temperature Mounting on DIN Rail (EN 50022) Wire Size Stranded with Wire End Ferrule Weight	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 <sup>2</sup> ) ≅ 2.1 oz (60 g)

### **Face View**

Dimensions (W x H x D)



longest time delay in the range in seconds,

0.69 x 2.76 x 2.48 in. (17.5 x 70 x 63 mm)

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.

### Load Limit Curves





Reduction Factor for Inductive AC Load



Contact Lifetime







#### Low Voltage Products & Systems