

Recycling (Pulse Generator) RS Digi-Set Timing Module



- Digital Circuitry +/-0.1% Repeat Accuracy
- Switch Settable Time Delays - Both Times Adjustable
- 0.1 s ... 1023 m in 3 Ranges
- Input 120 V AC
- 1 A Steady - 10 A Inrush
- Totally Solid State and Encapsulated

Description

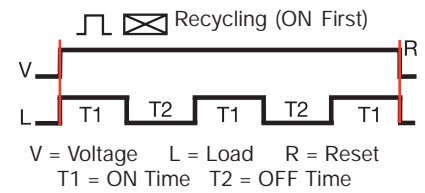
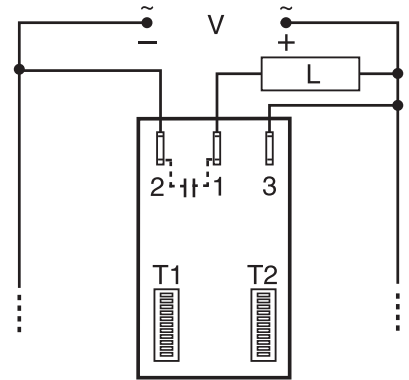
The RS Series is a solid state, encapsulated, recycling timer designed for tough industrial environments. It's used by many testing labs as a life cycle tester; by others as a cycle controller. The RS Series has separate 10 switch adjustments for the ON delay and the OFF delay. These make possible accurate adjustment the first time and every time. Digital circuitry means accuracy and stability.

Operation

Upon application of input voltage, the output is energized and the ON time begins. At the end of the ON time, the output de-energizes and the OFF time begins. At the end of the OFF time, the output is energized and the cycle repeats as long as input voltage is applied. The OFF time may be the first delay in some recycling timers.

Reset: Removing input voltage resets the output and time delays, and returns the sequence to the first delay.

- Approvals:

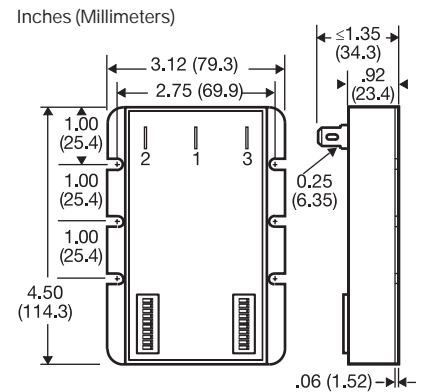
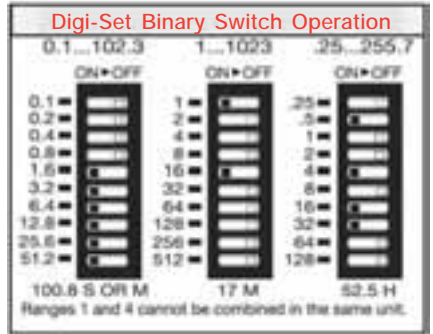


Input Voltage	ON Time First	OFF Time Second	Part Number
120 V AC	0.1 ... 102.3 s	0.1 ... 102.3 s	RS4A11
120 V AC	0.1 ... 102.3 m	0.1 ... 102.3 m	RS4A22
120 V AC	1 ... 1023 m	1 ... 1023 m	RS4A33

Available in 12, 24 V DC & 24, 120 V AC
Other Time Range Combinations are Available

Technical Data

Time Delay	
Type	Digital integrated circuitry
Range*	0.1 ... 102.3 s in 0.1 s increments 0.1 ... 102.3 m in 0.1 m increments 1 ... 1023 m in 1 m increments
Repeat Accuracy	+/-0.1%
Tolerance	+/-2%
Reset Time	100 ms
Input	
Voltage	120 V AC
Tolerance	+/-20%
Line Frequency	50 ... 60 Hz
DC Ripple	+/-10%
Output	
Type	Solid state
Maximum Load Current	1 A steady state, 10 A inrush at 60°C
Minimum Holding Current	5 mA
Voltage Drop	≅ 2.5 V AC at 1 A ≅ 1.5 V DC at 1 A
Protection	
Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with two to six #8 (M4 x 0.7) screws
Package	4.5 x 3.1 x 1.3 in. (114 x 79 x 34 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-40°C ... +80°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 7 oz (198 g)



Accessories

Female quick connect

- P/Ns:
- P1015-13 (AWG 10/12)
- P1015-64 (AWG 14/16)
- P1015-14 (AWG 18/22)

Quick connect to screw adaptor
P/N: P1015-18

See accessory pages for specifications.

*For CE approved applications, power must be removed from the unit when a switch position is changed.