

SC3 / SC4 SERIES



Description

The SC3/SC4 Series are solid-state 3 or 4 channel chasers designed for sequential three circuit flashing of incandescent lamp loads. Unlike electromechanical chasers, there are no contacts to arc, wear, and eventually fail.

Operation

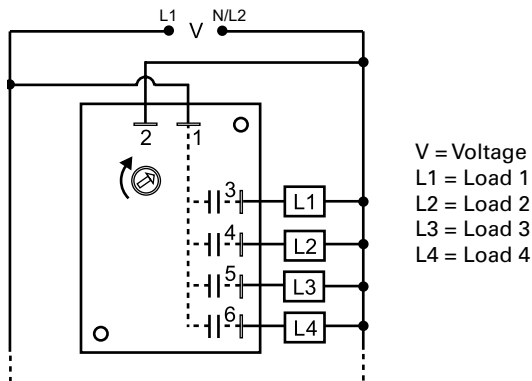
Sequential 3 or 4 circuit flashing of incandescent loads with equal time delays for each load. Upon application of input voltage, Load 1 is energized. At the end of the time delay, Load 1 de-energizes and Load 2 energizes. At the end of the time delay, Load 2 de-energizes and Load 3 energizes. This cycle continues until input voltage is removed. The set time delay (rate) is the timing for the *whole cycle*, for all 3 loads (output contacts).

Reset: Removing input voltage resets the unit and cycle.

Features & Benefits

FEATURES	BENEFITS
Totally solid state and encapsulated	No moving parts to arc and wear out over time and encapsulated to protect against shock, vibration, and humidity
1A steady solid state output	Provides 100 million operations in typical conditions.

Wiring Diagram



SC4 shown. For SC3, terminal 6 and load L4 are eliminated.

Accessories



P1015-13 (AWG 10/12), **P1015-64** (AWG 14/16), **P1015-14** (AWG 18/22) **Female Quick Connect**
These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.



P1015-18 Quick Connect to Screw Adapter
Screw adapter terminal designed for use with all modules with 0.25 in. (6.35 mm) male quick connect terminals.

Ordering Information

MODEL	INPUT VOLTAGE	RATING	CHANNEL	FLASH RATE
SC3120A	120VAC	1A	3 Sequential	Adjustable 30 - 30FPM
SC4120A	120VAC	1A	4 Sequential	Adjustable 30 - 30FPM

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Operation

Rate

Voltage

AC Line Frequency

Output

Type

Rating

Mechanical

Mounting

Termination

Dimensions

Protection

Circuitry

Dielectric Breakdown

Insulation Resistance

Environmental

Operating/Storage

Temperature

Humidity

Weight

120VAC $\pm 15\%$

50/60 Hz

Solid state

1A steady state per output

Surface mount with two #6 (M3.5 x 0.6) screws

0.25 in. (6.35 mm) male quick connect terminals

H 88.9 mm (3.5"); **W** 63.5 mm (2.5");

D 31 mm (1.22")

Encapsulated

≥ 2000V RMS terminals to mounting surface

 $\geq 100 \text{ M}\Omega$

-20° to 60°C / -40° to 85°C

95% relative, non-condensing

IR 5.4 oz (153 g)

Timing diagram for the 74VHC163 4-bit counter. The diagram shows the clock input (V) and the four outputs (L1, L2, L3, L4) over time. The clock input is a square wave. The outputs are shown as a staircase pattern, with each output changing state at a specific time. The diagram is labeled "FLASHER (CHASING)" and includes a legend for the clock input symbol.

SC4 shown.

For SC3, L4 is eliminated and L1TD begins as soon as L3TD is completed.

V = Voltage

R = Reset

L1, L2, L3, L4 = Lamps

TD =Time Delay

(all are equal)