Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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SC3 / SC4 SERIES

Description

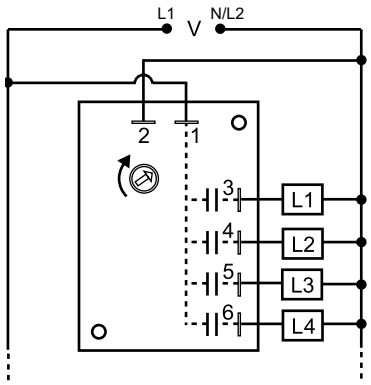
The SC3/SC4 Series are solid-state 3 or 4 channel chasers designed for sequential three circuit flashing of incandescent lamp loads. Unlike electromechanical chasers, there are no contacts to arc, wear, and eventually fail.

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.

Wiring Diagram



V = Voltage
L1 = Load 1
L2 = Load 2
L3 = Load 3
L4 = Load 4

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

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.

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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SC3 / SC4 SERIES

Specifications

Technical Data

Operation	Sequential 3 circuit flashing of incandescent lamp loads. Fixed rate. *For sequential 4 circuit and adjustable rates, please contact the factory.*
Rate	Fixed: 30 operations per minute (±10%)

Input

Voltage	120VAC ±15%
AC Line Frequency	50/60 Hz

Output

Type	Solid state
Rating	1A steady state per output

Mechanical

Mounting	Surface mount with two #6 (M3.5 x 0.6) screws
Termination	0.25 in. (6.35 mm) male quick connect terminals
Dimensions	**H** 88.9 mm (3.5"); **W** 63.5 mm (2.5"); **D** 31 mm (1.22")

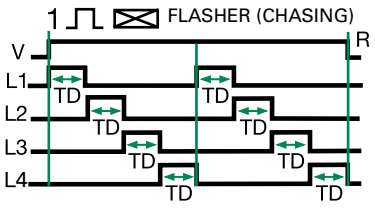
Protection

Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ

Environmental

Operating/Storage Temperature	-20° to 60°C / -40° to 85°C
Humidity	95% relative, non-condensing
Weight	≅ 5.4 oz (153 g)

Flasher Function Diagram



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)