

SS31

SOLID STATE RELAY

PIC

FEATURES

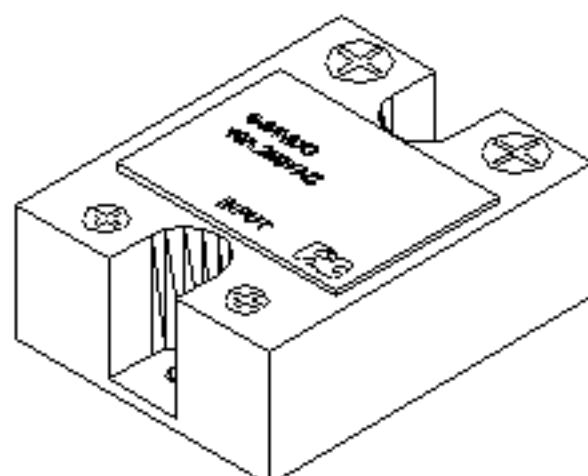
Photo Isolation

10/20A Switching Load

600V/800V Blocking Voltage

Built-In RC Snubber

Screw Terminal & Fully Sealed



SPECIFICATIONS

COIL RATING

	RATED VOLTAGE (V DC)	CURRENT (mA)	TURN-ON VOLTAGE (V DC)	TURN-OFF VOLTAGE (V DC)
INPUT RATING (At +20°C)	5 - 24	15	3 - 32	1

OUTPUT RATING

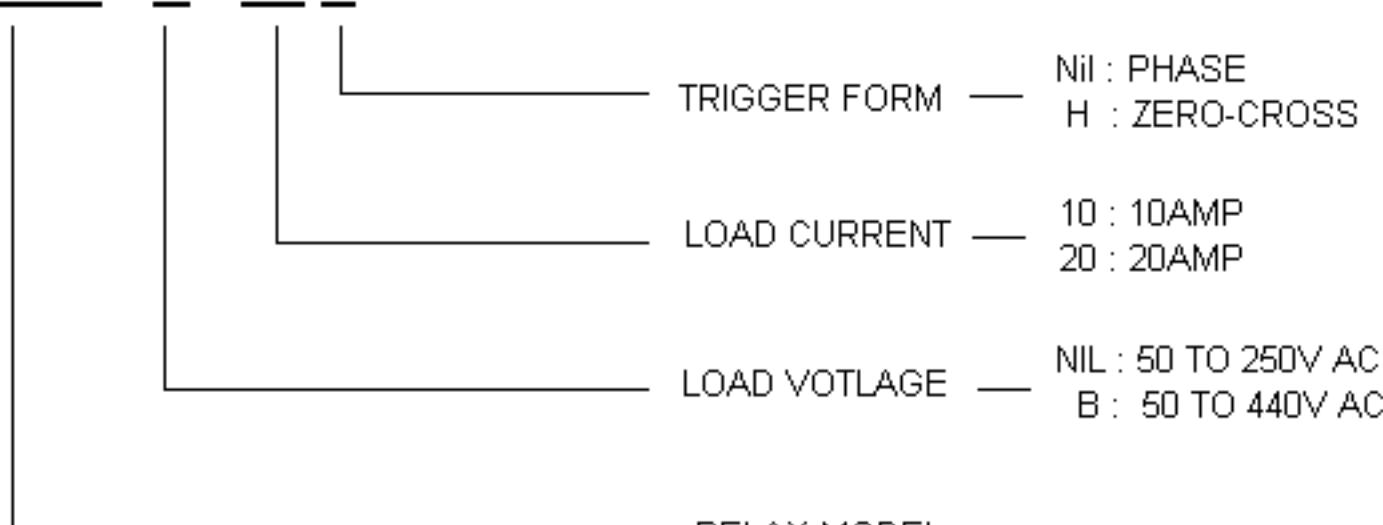
Voltage Range	50 to 250VAC		50 to 440VAC	
Current Rating (With Heat Sink)	10A	20A	10A	20A
Surge Current (Non-Repetitive)	150A	200A	150A	200A
Voltage Drop	1.5VAC	1.6VAC	1.5VAC	1.6VAC
Leakage Current	3mA	5mA	5mA	8mA
Minimum Load Current	100mA			
Zero Voltage Switching	Yes			
D _v / D _t	100V / μ s			
Frequency Range	47 to 70 Hz			
Time Turn-On	1/2 of Cycle + 1ms			
Time Turn-Off	1/2 of Cycle + 1ms			

CHARACTERISTICS

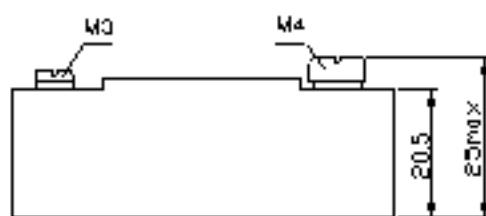
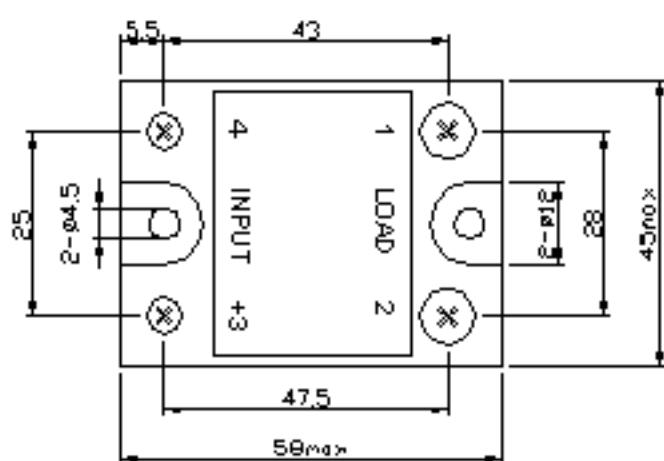
Dielectric Strength	2000V AC / min.
Insulation Resistance	100M Ω min (at 500V DC)
Operating Temperature Range	-30°C to +80°C
Termination	Screw Terminal
Weight	90g Approx.

[Specifications are subject to change without notices.]

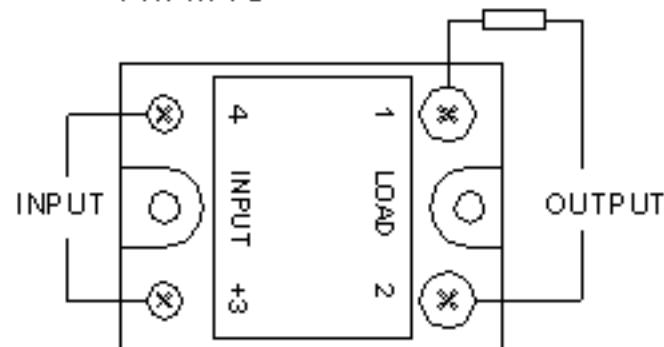
ORDERING INFORMATION

SS31 - B - 10 Z

DIMENSIONS (UNIT: mm)



WIRING



INSTALLATION

CLOSE MOUNTING

When mounting Solid-stat relays (SSRs) side by side, provide a space equivalent to the width of a single SSR between two adjacent SSRs. Otherwise, reduce the current flow to 1/2 to 1/3 of the rated current.

HEAT SINK MOUNTING

To mount an SSR in a heat sink, apply a heat conductive grease to the metal back surface of the SSR. Press the SSR firmly onto the heat sink to ensure a good seal. Screw the SSR down to the heat sink.

