REE-2103/2104

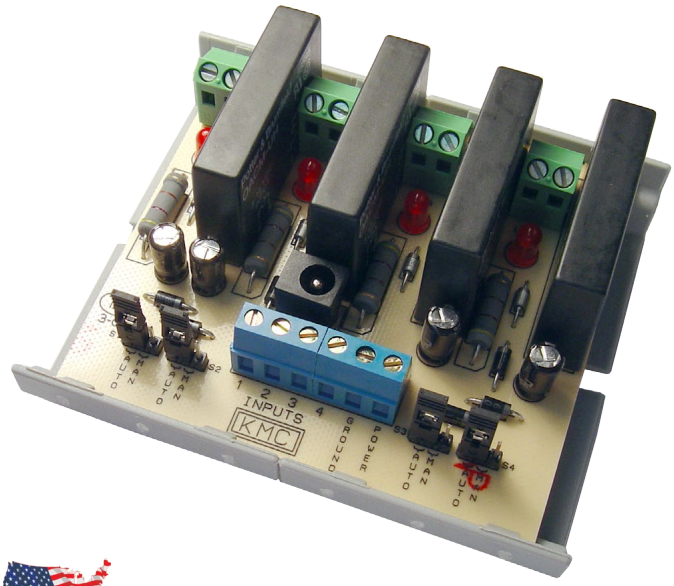
Solid-State Triac Relays (5 A)

Description and Applications

These high-power solid-state triac relays provide zero-crossing switching **(up to 5 A at 280 VAC)** for use in energy management systems and where transients may pose a problem.

The REE-2103 has four separate outputs, while the REE-2104 has one. A status LED is associated with the output of each relay to indicate when the output is switched on. An AUTO-MANUAL-OFF jumper is provided to override the output.

(For less demanding applications, see also the data sheet for the REE-2101/2102 relays.)



Still . . . Made in the U.S.A.

Features

- Precise zero crossing for fast switching
- Optically isolated with 4000 V_{rms} isolation
- High immunity to false operation
- No mechanical contacts for reduced costs and downtime
- Ouput rating of up to 5 A at 280 VAC

Models

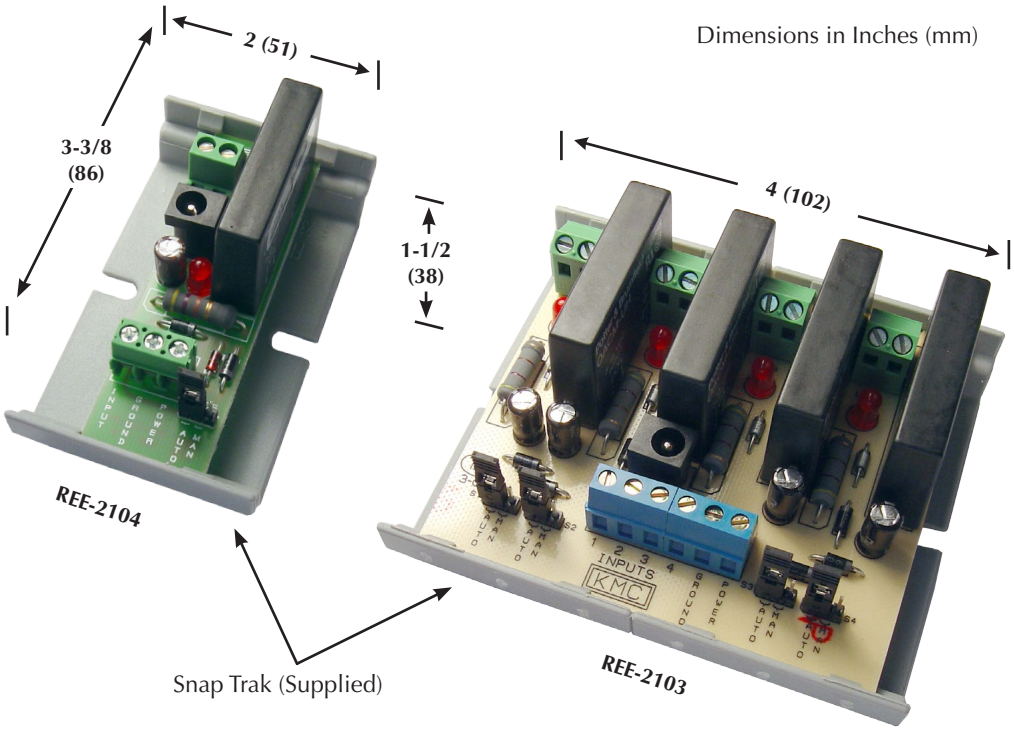
REE-2103	**Four** triac outputs with zero-crossing switching
REE-2104	**One** triac output with zero-crossing switching

Accessories

HCO-1008	Steel enclosure with plastic cover, 3-1/8 W x 5-1/8 H x 2-9/16" D (for REE-2104)

HCO-1009	Steel enclosure, 9-5/8 W x 5-1/8 H x 2-9/16" D (for REE-2103)

Dimensions



Specifications

Output Rating (47 to 63 Hz @ 25° C)

Parameter	Min.	Max.
Load Voltage	24 VAC	280 VAC
Load Current	0.05 A	5 A
Horsepower Rating (@ 240 VAC)		1/2 hp

Control Input Power

24 VAC, 1.6 VA max.
6 to 40 VDC, 4 to 56 mA

Auxiliary Power*

REE-2103	24 VAC, 6.4 VA max or 6 to 40 VDC, 16 to 224 mA
REE-2104	24 VAC, 1.6 VA max or 6 to 40 VDC, 4 to 56 mA

*NOTE: Auxiliary Power is only required to enable manual-override functions.

Connections

Input/Output	Screw terminals for 18 to 22 AWG copper
Auxiliary Power	Screw terminals for 18 to 22 AWG copper or 2.5 mm female connector

Mounting	Not position sensitive; Provided with 3.25" (83 mm) Snap Track
Approvals	UL Recognized
Material	Flame-retardant plastic
Weight	
REE-2103	2.6 oz. (74 grams)
REE-2104	1.2 oz. (34 grams)
Temperature Limits	
Operating	0 to 120° F (–18 to 49° C)
Shipping	–40 to 140° F (–40 to 60° C)

KMC Controls, Inc.
19476 Industrial Drive, PO Box 497
New Paris, IN 46553
574.831.5250
www.kmccontrols.com
info@kmccontrols.com