REE-3101/3105

Multi-Voltage (24/115/230) Relays (10 A)

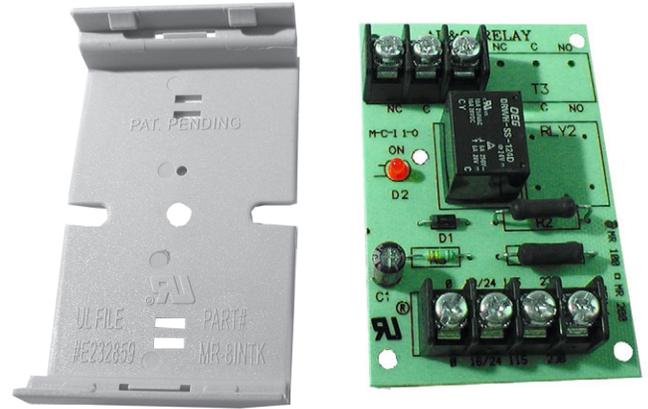## Description and Application

These relays are ideal for applications where local or remote contacts are required for system status, control of electrical loads, and general all-purpose switching. They are suitable for use in systems such as HVAC, fire, security, and lighting control.

These devices offer SPDT or DPDT 10 A contacts, which may be operated by one of four input control voltages. A single relay may be energized from a voltage source of 24 VDC/VAC, 115 VAC, or 230 VAC by wiring to the appropriate input terminals.

Each relay module has a red LED to visually indicate when the relay coil is energized.

Features

◆ SPDT or DPDT (Form "C") contacts

◆ Operated by multiple input control voltages (DC control inputs are polarized)

◆ Status LEDs for visual indication relay energized

◆ Rated at 10,000,000 mechanical operations

Models

REE-3101	Single SPDT relay, with LED and Snap Track mounting (shown above)
REE-3105	Single DPDT relay, with LED and Snap Track mounting

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

Specifications

Power Requirements

SPDT Relay	18 mA @ 24 VAC/VDC, 115 VAC, 230 VAC
DPDT Relay	40 mA @ 24 VAC/VDC, 115 VAC, 230 VAC

Contact Ratings

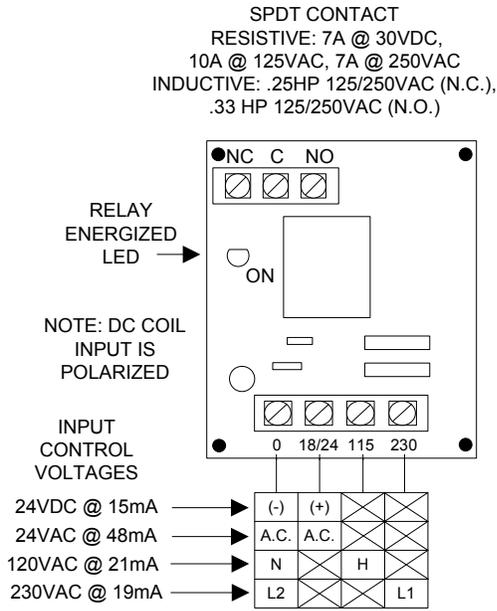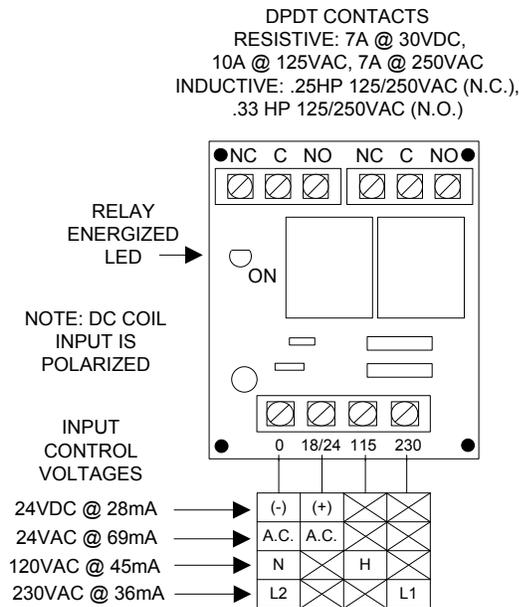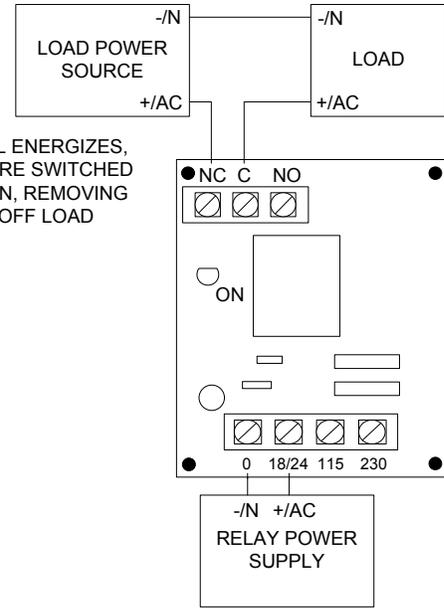|	
Resistive	7 A @ 30 VDC, 10 A @ 125 VAC, 7 A @ 250 VAC
Inductive	0.25 hp @ 125/250 VAC for NC contacts, 0.33 hp @ 125/250 VAC for NO contacts
Connections	Wire clamp type terminals; 14–22 AWG, copper
Dimensions	2⅛ W x 3½ H x 1¼" D (54 x 89 x 32 mm)—dimensions of the board and Snap Track
Approvals	UL Recognized, SASO PCP Registration KSA R-103263
Temperature Limits	32 to 120° F (0 to 49° C) @ 93% RH non-condensing/non-freezing
Mounting	Provided with 3.25" (83 mm) Snap Track; mounting is not position sensitive

Specifications and design subject to change without notice.

SPDT CONTACT
RESISTIVE: 7A @ 30VDC,
10A @ 125VAC, 7A @ 250VAC
INDUCTIVE: .25HP 125/250VAC (N.C.),
.33 HP 125/250VAC (N.O.)

RELAY
ENERGIZED
LED

NC C NO

ON

NOTE: DC COIL
INPUT IS
POLARIZED

INPUT
CONTROL
VOLTAGES

0 18/24 115 230

24VDC @ 15mA	(-)	(+)		
24VAC @ 48mA	A.C.	A.C.		
120VAC @ 21mA	N		H	
230VAC @ 19mA	L2			L1

WHEN RELAY COIL ENERGIZES,
"NC" CONTACTS ARE SWITCHED
TO OPEN POSITION, REMOVING
POWER TO TURN OFF LOAD

-/N   -/N

LOAD POWER
SOURCE   LOAD

+/AC   +/AC

NC C NO

ON

0 18/24 115 230

-/N +/AC
RELAY POWER
SUPPLY

DPDT CONTACTS
RESISTIVE: 7A @ 30VDC,
10A @ 125VAC, 7A @ 250VAC
INDUCTIVE: .25HP 125/250VAC (N.C.),
.33 HP 125/250VAC (N.O.)

RELAY
ENERGIZED
LED

NC C NO   NC C NO

ON

NOTE: DC COIL
INPUT IS
POLARIZED

INPUT
CONTROL
VOLTAGES

0 18/24 115 230

24VDC @ 28mA	(-)	(+)		
24VAC @ 69mA	A.C.	A.C.		
120VAC @ 45mA	N		H	
230VAC @ 36mA	L2			L1