

RELAYS

Relays

General purpose automotive relays are designed to control a high current circuit with a low current signal such as head lamps, auxiliary lamps, horns, electric heating and cooling fans, electric pumps, etc. Available in 12 and 24 volt as well as single pole single throw - SPST or single pole double throw - SPDT configurations and with or without a diode or resistor to eliminate voltage spikes which can damage sensitive electronic equipment.

**** Note: 70 Amp Relays Have .375" Connector Terminals ****

- Specifications:**
- Operational life of 100,000 cycles
 - Temperature range -40°C to +85°C
 - Contact material silver alloy
 - 40 Amp relay at 12V DC normally open at 40 Amp and normally closed at 30 Amp
 - 40 Amp relay at 24V DC normally open at 20 Amp and normally closed at 15 Amp
 - 70 Amp relay at 12V DC normally open at 70 Amp and normally closed at 60 Amp
 - 70 Amp relay at 24V DC normally open at 35 Amp and normally closed at 30 Amp



Product #	Amperage	Voltage	Terminals	Comments
E75RA2024R	20	24V	4	Diagram 2, Snap-in Mounting Bracket, With Resistor
E75RC2024R	20	24V	5	Diagram 4, Snap-in Mounting Bracket, With Resistor
E75RA4012N	40	12V	4	Diagram 1, Snap-in Mounting Bracket, No Resistor
E75RA4012R	40	12V	4	Diagram 2, Snap-in Mounting Bracket, With Resistor
E75RA4012D	40	12V	4	Diagram 2, Snap-in Mounting Bracket, With Diode
E75RC4012N	40	12V	5	Diagram 3, Snap-in Mounting Bracket, No Resistor
E75RC4012R	40	12V	5	Diagram 4, Snap-in Mounting Bracket, With Resistor
E75RC4012D	40	12V	5	Diagram 4, Snap-in Mounting Bracket, With Diode
E75R24012R	40	12V	5	Diagram 5, Snap-in Mounting Bracket, With Resistor Dual 87 Contacts At 40 Amps Per Contact
E75RA7012N	70	12V	4	Diagram 1, Snap-in Mounting Bracket, No Resistor
E75RA7012R	70	12V	4	Diagram 2, Snap-in Mounting Bracket, With Resistor
E75RC7012N	70	12V	5	Diagram 3, Snap-in Mounting Bracket, No Resistor

Diagram 1

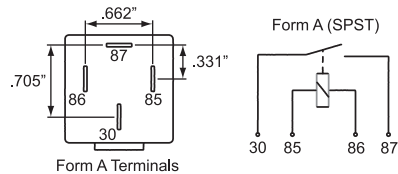


Diagram 4

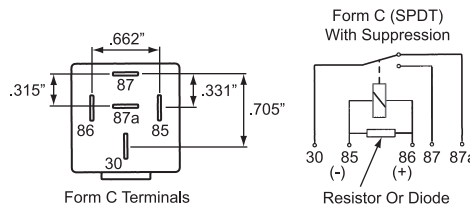
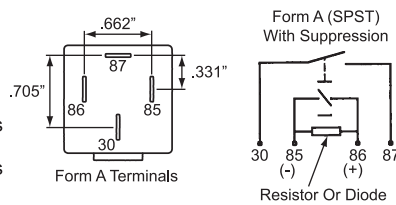


Diagram 2

40A Type Has .250" Terminals
70A Type Has .375" Terminals



Form 2 (SPST) With Suppression

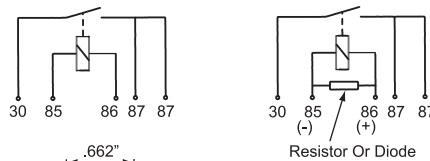
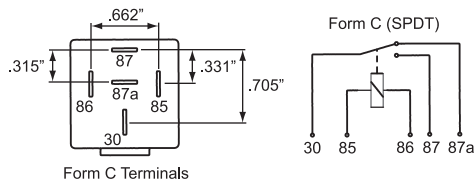


Diagram 3



RELAY SOCKETS & JUNCTION/TERMINAL BLOCKS

Relay Harness

Pre-assembled relay harness with ISO 5-pole socket and pre-wired with 12" long, 14 gauge wire leads in black for power, red for ground, white for switch, and blue and green for device. Suitable for relays up to 50 amp rating with .250" connector terminals.

Product # E7573570



Relay Socket

Relay socket with female terminals. Build your own harness to colour and gauge of choice using this ISO 5-pole socket and .250" crimp style connector terminals. Connectors accept 14 or 16 gauge wire.

Product # E7573555



7 Terminal Junction Box

7 terminal junction box of molded black finish ABS plastic allows 4 entrance positions and includes access hole grommets and plugs. Molded in place 10-32 studs complete with washers and nuts. Metal fasteners are zinc dichromate plated for corrosion resistance. Lid secured with two dog point hex washer head screws sealed with neoprene washers. Mounts on 7-3/8" centers 8.25" L x 3.375" W x 2.25" H.

Product # E75115871BK



4 Terminal Junction Box

4 terminal junction box with black phenolic base and ABS plastic cover. Molded in place 10-32 studs, base mounting pad included. Mounts on 4-5/8" centers 5-5/8" L x 2-1/8" W.

Product # E753131XBK



Stud Type Strip Terminal Blocks

Insulated back with 10-32 brass studs mounted on 5" centers rated for 30 amps.

Product # E754141TB 4 Studs Product # E755151TB 5 Studs

Product # E756161TB 6 Studs Product # E758181TB 8 Studs

Product # E751010TB 10 Studs



4 Terminal Block With Brass Bus Bar

Phenolic insulator base has two 3/16" ID mounting eyelets and 10-32 stud terminals. 3-7/8" L x 3-7/8" W x 27/32" H.

Product # E754620604

