8616 MINI RELAY, PREWIRED

20A NORMALLY OPEN,
10A NORMALLY CLOSED

Relays are used in a wide variety of automotive applications. Just think of a relay as being an "electrically activated switch". This "switch" is composed of three *contacts,* terminals #30, #87A and #87. Activating the relay is done with the *coil,* terminals #85 and #86. For auto security applications there are numerous features which will require the use of a low-current relay (s): siren chirp; WarnAway™; circuit isolation; trigger inversion; trunk release, temporary sensor disconnect, etc..

The 8616 is capable of handling 20 A **maximum** across its normally open contacts, and 10A maximum across its normally closed contacts. **It is *NOT* intended for high current applications such as: starterkill, headlight turn on, etc...**

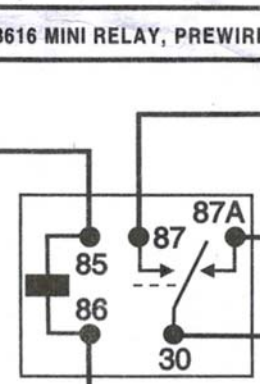
OPERATING A RELAY:

COIL: This part of the relay becomes an electromagnet if:

(-) Ground is applied to terminal #85, Black wire

AND

(+12V) power is applied to terminal #86, Red wire



CONTACTS:

NO #87, brown wire (Normally open, connected to #30 when relay coil is energized)

NC #87A, orange wire (Normally closed, connected to #30 when relay coil ***not*** energized)

Common, #30, yellow wire

When the coil is not energized, 30 (common) connects to 87A.

When the coil ***is*** energized, 30 (common) connects to 87.

ACTIVATING THE RELAY: To activate the relay, determine what polarity the trigger signal will be, and connect the opposite end of the coil to constant power or ground as required.

For more information on how to use relays, please order DIRECTFAX document #1041(*The DEI Relay Application Guide*).