

READ BEFORE INSTALLATION

INSTRUCTIONS FOR DOW COAXIAL RELAYS

This new DOW relay has been carefully checked before leaving our factory. It is designed to give trouble-free operation and is guaranteed for one year against failure of material or workmanship. If this relay fails within the specified guarantee period, return it to our factory. Your dealer is not authorized to make warranty adjustments. Misuse, modification, disassembly, or adjustment voids our guarantee.

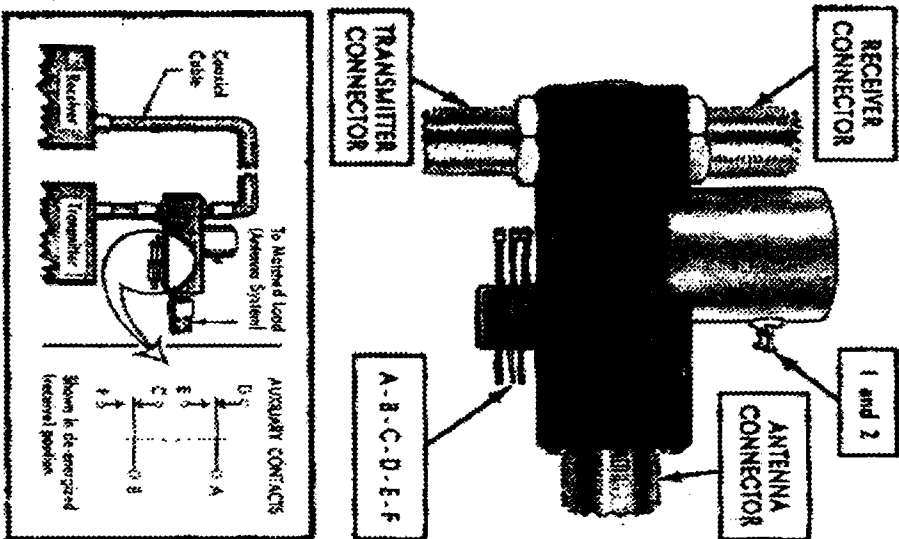
Dow-Key DK60 series relays are made in 4 different styles (each with many available coil voltages):

The DK60 is a SPDT r.f. switch which can be used for switching r.f. loads to 1 kw. A typical application would be to switch different antennas for a single transmitter.

The DK60-G is a SPDT r.f. switch with a receiver protection connector. This relay could be used to switch an antenna between a transmitter and receiver. When in the transmit position (coil energized) an electrostatic shield is placed between the transmit contacts and the receiver contacts. This provides desirable isolation of the receiver from the transmitter line.

The DK60-2C is the same as the DK60 with the exception of the addition of DPDT auxiliary contacts to the relay. The auxiliary contacts (rated at 5 amps, 110 v. a.c. non-inductive) could be used to provide switching or interlock action for accessory devices.

The DK60-G2C is the same as the DK60-G with the exception of the addition of DPDT auxiliary contacts to the relay. The auxiliary contacts (rated at 5 amps, 110 v. a.c. non-inductive) can be used to provide switching or interlocking action for accessory devices. The DK60-G2C is the relay most commonly used as a transmit-receive antenna switching relay in communications service. The auxiliary contacts may be used for simultaneously muting the receiver and turning on the transmitter when the relay coil is energized. A typical connection diagram for the DK60-G2C is shown.



NOTE: TO AVOID DELAY, INCLUDE 75¢ FOR MAILING AND HANDLING WITH ALL RELAYS RETURNED TO THE FACTORY FOR REPAIR. THE FACTORY WILL ADVISE YOU OF CHARGES ON PARTS RETURNED OUT OF WARRANTY.

The relay coil (terminal 1 & 2) may be energized either by
 a) taking the proper power from the accessory socket on the transmitter (usually controlled by the "plate switch") or
 b) operating the relay with an auxiliary (possibly push-to-talk or voice controlled relay) switch.

In case a) connect either terminals A and E to the voice coil of the receiver speaker or connect A and D in series with the B+ line in the receiver. The B+ line is usually brought to an accessory plug on the receiver and jumpered with a dummy plug. The jumper is removed from the dummy plug and terminals A and D are connected to the two open connections. This will mute the receiver when transmitting.

In case b) use the receiver mating connection the same as in case a). Use terminals B and F to lay the transmitter ON as outlined in the transmitter instruction manual.
 In either case a) or b) care must be taken to insure that the relay has operated before r.f. voltage is applied to the r.f. contact in the relay. (Two brass spacers are provided for use between relay body and rack, when mounting.)

DK60-10

THE DOW-KEY COMPANY
 THIEF RIVER FALLS, MINNESOTA