RON FRANCIS Wiring

RL-40

UNIVERSAL RELAY

A relay is basically a large switch controlled by a smaller one or used to isolate circuits. The orange and black wires make the relay respond to a control switch. The blue, brown and red wires are the switched contacts. The relay is rated for 40 AMPS. Follow the wording on the wires for simple wiring.

WIRE PRINTING	WIRE COLOR	USE
RELAY COIL FEED	Orange	Applying voltage to this wire activates the relay coil.
RELAY COIL GRD	Black	Grounds relay coil.
N/OPEN	Blue	Normally Open: Has continuity with common red wire with voltage applied to relay coil feed orange wire
N/CLOSED	Brown	Normally Closed: Has continuity with common red wire with “NO” voltage on relay coil feed orange wire.
COMMON	Red	Common with Blue or Brown wire depending on voltage present on coil feed orange wire

Note: The above instructions are based on controlling the relay coil by switching positive 12 volts on & off on the relay coil feed wire (orange). The relay coil can also be controlled by switching ground on & off. Apply positive 12 volts to relay coil feed Connect the relay coil ground wire to a switch or some other device that will create a ground when activated to control the relay coil.