



**IMPORTANT:** The sensor is designed to be mounted **in the cylinder head**. Mounting the sensor in another location "WILL" cause the fan(s) to turn on at a higher temperature than designed. Ron Francis Wiring recommends installing the sensor in the head only!

The **best location** to install the sensor is in the water jacket of the cylinder head. If this location presents a problem due to headers or exhaust manifolds it can be located in the intake manifold.

This cooling fan relay will handle one large or two small radiator cooling fans. A 30 amp fuse is in line on the **blue wire** running to the fan to protect the circuit. A 160°F thermostat should be used.

The water temperature sensor has 3/8 pipe thread and is the only size thread available. Depending on engine year or the location you choose to mount the sensor, it may be necessary to use a pipe thread reducer for the temperature sensor installation.

**NOTE:** Do not use Teflon tape or sealant on the threads, doing so will insulate the circuit from ground and cause poor operation.

**Mount the relay under the dash and wire as follows:**

**Red** run this to the starter solenoid and connect it to the same terminal as the positive battery cable using the yellow ring terminal provided.

**Blue:** connect this to the cooling fan(s).

**Green:** Run to the temperature sensor and plug in making sure the wire is kept clear of the exhaust manifolds and other moving parts.

**Purple:** connects to the wire that engages the air conditioning compressor clutch. (**NOTE:** This wire is only used on vehicles with A/C).

**Orange:** to ignition hot with the key on.

**Note:** If you would like the fan to continue to operate after the key is turned off, connect this wire to a battery hot all the time circuit.

**Black:** runs to a good ground.

**Ground** the other wire running from the cooling fan(s).

**IMPORTANT**

**Our color coded wires do not always match the fan wire colors**      **Check the fan rotation to**  
assure the completed unit is pushing or pulling the air according to your application