

TRINARY SWITCHES

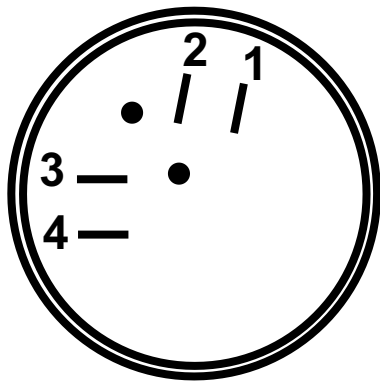
OPERATION AND CONNECTIONS

PT# 61-25642 & 61-25643



Typical Trinary switch applications provide three functions: high and low pressure protection on the high side of the system and operation of the engine fan clutch.

There are two types of Trinary switches, normally open (61-25642) and normally closed (61-25643). This designation affects only the fan control side of the switch. Both switches are normally open on the high/low pressure control. Both switches have 7/16-20 female thread connections and include an adapter to 3/8-24 male thread. Below are the internal schematics and terminal designations for both switches.



High/Low Pressure Control

Terminal 1 – To compressor clutch (black wire)

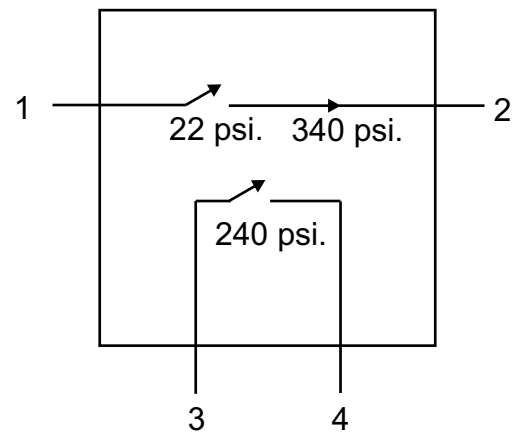
Terminal 2 – To A/C thermostat (black wire with white stripe)

Fan Clutch Control

Terminal 3 – To fan clutch solenoid valve (yellow wire)

Terminal 4 – To ignition DC power (orange wire)

Normally Open Switch
61-25642



Normally Closed Switch
61-25643

