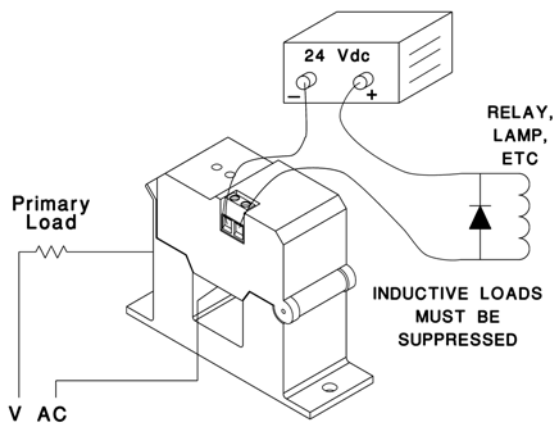


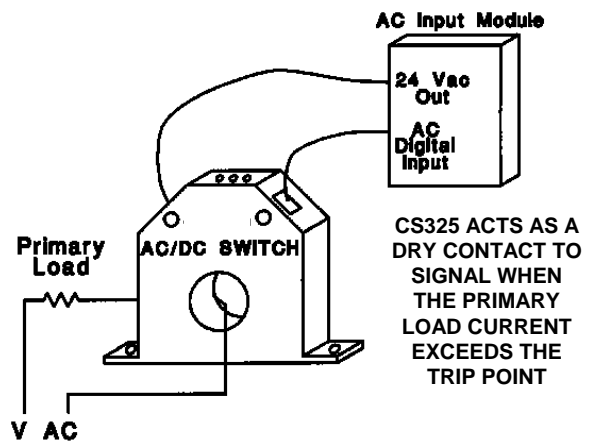
### Operation

The output switch of all devices is normally open, when the monitored current exceeds the trip value as set by the multi-turn adjustment the switch will close. All devices are factory set to the high range and at the minimum switch point (adjustment fully clockwise). To increase the set point, first set the desired input range (see chart on page 2) by moving the jumper shunt. With the monitored load on, turn the adjustment counter-clockwise until the output turns off as indicated by placing a voltmeter connected across the device output to indicate an open switch. Then turn the adjustment clockwise until the voltmeter indication is seen. The adjustment should be turned slightly clockwise past this point to ensure normal line current variations do not cause false conditions.

USING THE SC525 SWITCH TO CONTROL A LOAD



USING THE CS325 SWITCH TO SIGNAL A DIGITAL INPUT



## **Installation**

Disconnect and lock-out all power sources during installation as severe injury or death can result from electrical shock due to contact with high voltage conductors. Ensure all installations are in compliance with applicable electrical codes and that the installation is completed by qualified installers familiar with the standards and proper safety procedures for high-voltage installation. Never rely on status indicating devices only to determine if power is present in a conductor.

Ensure that the output circuit to be switched is within the device switch ratings as shown in the chart, less than Switch V Max and less than Switch I Max.

Tha the selectable range selection jumper is installed in the correct position for the current being monitored. Excessive current can damage the sensor.

Solid-Core devices require that the line to be monitored be disconnected and routed through the center of the device while Split-Core units can be easily installed over existing wires without the need to disconnect the circuit.

Install the Split-Core over the conductor to be monitored and close the sensor until it latches, ensuring that the two halves are properly aligned. Operation of the sensor will be impaired if any dirt particles prevents good contact between the core pieces when the device is closed, keep the sensor clean when it is opened.

Mount the switch in a suitable location using the two mounting holes in the base of the unit.

The conductor may be looped more than once through the sensor to multiply the sensitivity but this also divides the maximum currents.

Connect the switch circuit to the two screw terminals using ring or fork type terminals. Typical connections are shown in the wiring examples. The switches are not polarity sensitive and operate as a "dry contact".

Model	Output Type	Type	Switch V Max	Switch I Max	Leakage Current	Low Range (Amps)	Mid Range (Amps)	High Range (Amps)	Input I Min	Input I Max
CS-325	Triac	AC	250Vac	1 Amp	<5 mA	1-6	6-40	40-200	1.25A	200A
CS-325-NS	Triac	AC	250Vac	1 Amp	<1 mA	1-6	6-40	40-200	1.25A	200A
SC-525-S	Triac	AC	120 Vac	500 mA	<5 mA	1.5-6	6-40	40-150	1.5A	150A
SC-525-NS	Triac	AC	120 Vac	500 mA	< 1 mA	1.5-6	6-40	40-150	1.5A	150A