

Operation

The output switch of the CS325 device is normally open, when the monitored current exceeds the trip value as set by the multi-turn adjustment the switch will close.

These devices are factory set at the minimum switch point (adjustment fully clockwise) on the high range. To increase the set point, while the monitored load is on, turn the adjustment counter-clockwise until the output turns off as indicated by a voltmeter connected across the device output to indicate an open switch. Then turn the adjustment clockwise until the indication is seen. The adjustment should be turned slightly clockwise past this point to ensure normal line current variations do not cause false conditions. **NOTE: THE SWITCH TERMINALS CAN NOT BE MEASURED WITH AN OHMMETER. YOU MUST USE A LOAD TO VERIFY SWITCH OPERATION.**

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.

Insure that the range jumper is installed in the correct position for the current being monitored. Excessive current can damage the sensor.

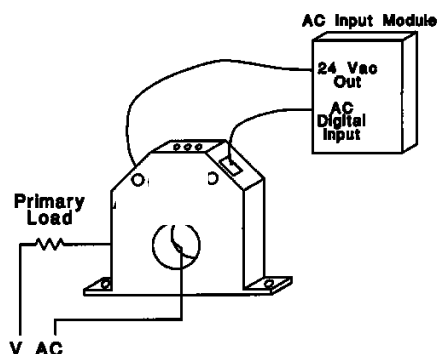
Solid-Core devices require that the line to be monitored be disconnected and routed through the center of the device .

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".

USING AN AC SWITCH TO SIGNAL A DIGITAL INPUT



Model	Output Type	Switch V Type	Switch V Max	I Max	Leakage Current	Input I Min	Input I Max
CS-325	Triac	AC	250Vac	1 Amp	<1 μ A	1.25A	200A
CS-325-NS	Triac	AC	250Vac	1 Amp	<50 mA	1.25A	200A