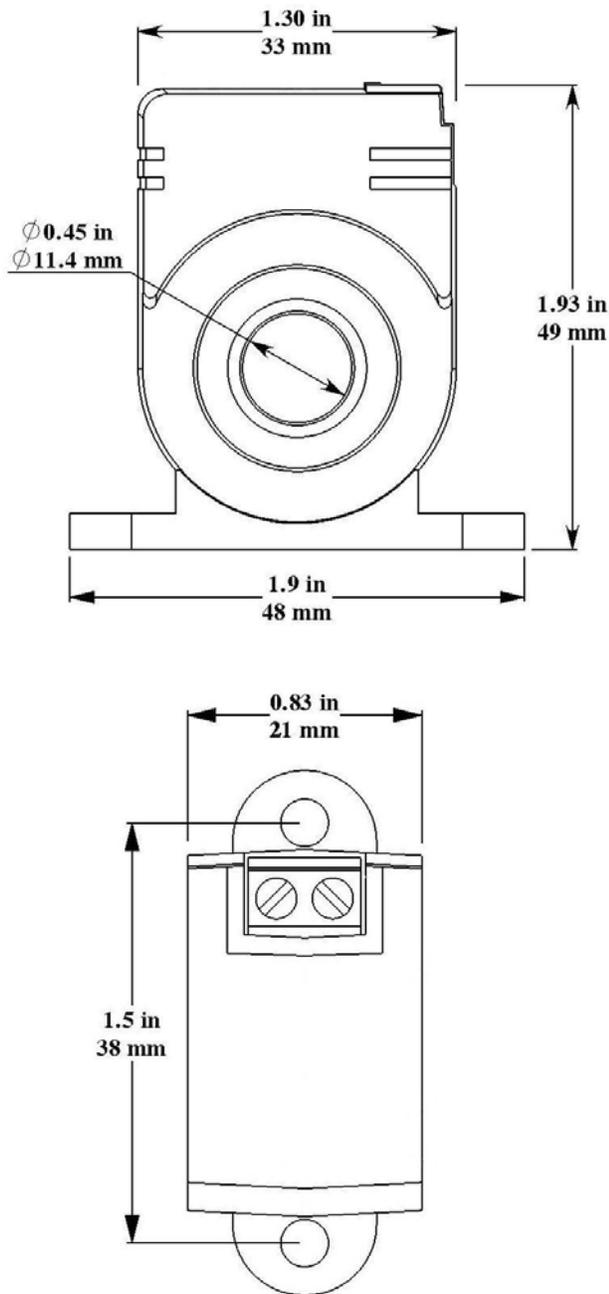


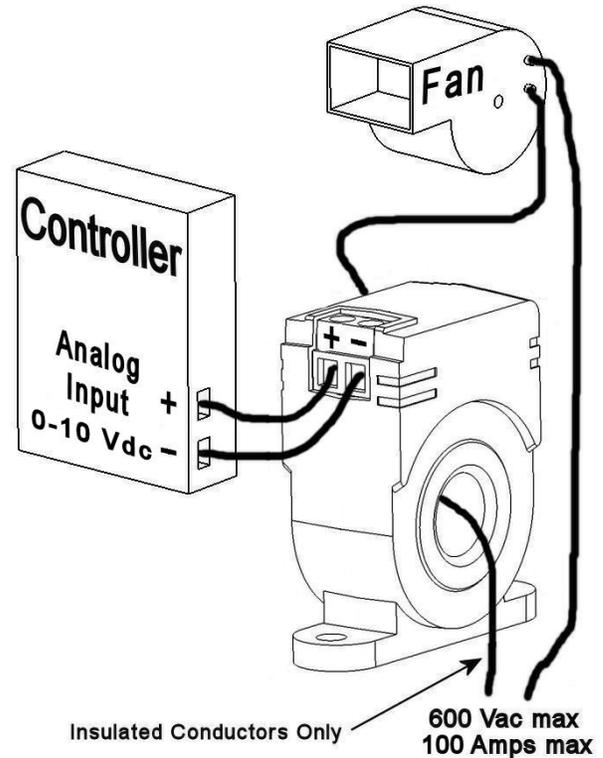
Dimensions



Calibration

All models are factory calibrated to operate within $\pm 1\%$ of FSO. If field calibration is required or a custom measurement range is desired, simply peel back the top label to expose the calibration pot. The adjustment pot sets the current span of the device and may be adjusted by about $\pm 20\%$ of FSO.

Wiring



Applications

For applications with load currents exceeding the sensor current range use an external CT to reduce the current to an acceptable value. For example, to measure a 200 Amp load current, use a 200A:5A CT and wrap the CT secondary through the CS-651-10 twice so the sensor output will be 0-10 Vdc = 0-200 Amps.

For applications with very small load currents (such as less than 1 Amp), wrap the monitored conductor through the sensor aperture several times to increase the current measured by the sensor. For example, to measure 0-1 Amps with a CS-651-10, wrap the conductor through the sensor aperture 5 times so the sensor output will be 0-5 Vdc = 0-1 Amps.

For any application using an external CT or with multiple wraps, ensure the controller is scaled accordingly to obtain the correct readings.

For any application with multiple wraps, note that the CS-651 maximum current rating must be divided by the number of wraps. For example, with one wrap the maximum current is 100 Amps, with 5 wraps the maximum current is $100/5 = 20$ Amps. Ensure the load current is < 20 Amps or the device may overheat and be damaged.