Installation Instructions
GCS Kit - Generator Current Sensing

Generator Current Sensing Input

The Generator Current Sensing Kit is used to sense if current is present (flowing) from the generator set. This kit will signal that the home or facility is "On Generator Power". When used in conjunction with the Utility Voltage Sensing Kit, the condition of "On Utility Power" is signaled when utility voltage is present and the current switch changes state from "Closed" to "Open" indicating that current is no longer present (flowing) from the generator and the transfer switch has switch to the normal position.

The generator current sensing switch can be installed on either side of the generator main line circuit breaker. The current switch can be installed on any Leg/Line as it will sense the presence of current whenever the generator is under load. The current switch has a dry contact relay for use with the input leads on the monitor.

Remove the jumper on the current switch to provide the lowest current sensing setting on the switch.

Connect the appropriate **INPUT LEAD** (see input configuration data sheet) on the I/O harness to one side of the normally open output contacts on the current switch relay screw terminals. Connect one of the **BLACK** ground leads on the I/O harness in the kit to the other side of the normally open output contact on the relay screw terminals. For the PT100 monitor, spare ground wire is supplied to connect to this kit to connect between the GCS kit and the monitor ground. Make sure that the leads are securely connected to the relay.

During the testing process, transfer the load to the generator to verify the LED status. A **GREEN** LED indicates that current is passing through the core, but the set point has not been reached and the contacts are open. A **RED** LED indicates that the set point has been reached and the contacts are now closed. Make sure that the current sensing switch LED is **RED**. If not, adjust the sensing potentiometer to a lower setting until the LED is **RED**.

For any questions or assistance, please contact our Technical Support Team at 678-992-5501 or email us at techsupport@powertelematics.com.

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