

Bench Testing StoneL 33/35/44/45 Solid State Sensor Models with 4-20mA Loop Calibrator

NOTE

Bench testing of StoneL solid state sensors with a 4-20mA loop calibrator does not require the use of a series load resistor

NOTE

Having the 4-20mA loop calibrator set at maximum current output will provide brighter LED indication

StoneL solid state sensors cannot be tested with an ohmmeter. A current limited power source such as a 4-20mA loop calibrator can be used to power the sensors to verify operation and the setting of limit switches.

All StoneL made solid state sensors have indicating LEDs. The closed sensor has a red LED and the open sensor has a green LED.

Connect the 4-20mA loop calibrator to the sensor module per the drawing below. Sensor Commons (C) and NO's should be jumpered together to power both sensors for testing/setting. Press the Set Open/Set Closed pushbuttons or adjust cams or triggers so that the proper LED is on at each desired valve position.

Once sensor operation has been verified unit can be placed into service. When placed into service, the power for the sensors is provided by the discrete input card of the control system.

Basic Bench Testing Circuit with 4-20mA Loop Calibrator

