

FIGURE 14. RK-332 Remote Indication and Reset.

3.4 ISOLATED GROUND CONNECTION

An isolated ground bed can prevent a ground potential rise (GPR) from being transferred to remote equipment. If the G terminals on the sensing resistor and the SE-330 are connected to an isolated ground, the SE-330 will be exposed to the GPR. If the GPR is greater than the terminal-block rating, the SE-330 must be isolated from station ground and precautions must be taken with the power supply and the trip contacts. See Technical Note RG-1 “NGR Monitoring with Isolated Ground Beds” at www.startco.ca.

A configuration which allows an SE-330 to be connected to station ground is shown in Fig. 15. The SE-330 monitors the series combination of the NGR and the two ground beds. This configuration is acceptable provided the series resistance of the NGR and the ground beds is within the NGR calibration range and ground-bed-resistance changes remain within the trip range. See Section 6.1.

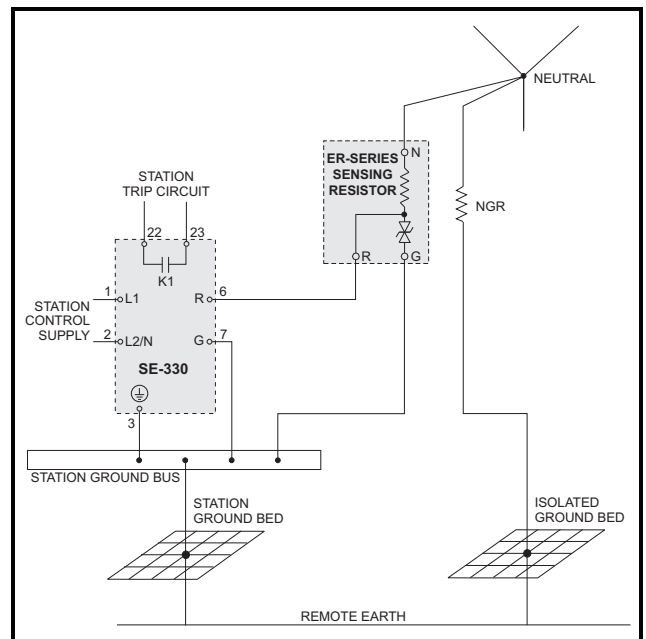


FIGURE 15. Simplified Isolated-Ground Connection.