

TECHNICAL BULLETIN

TB-0028

11kV RECLOSERS FROM NOJA

OSM pole mounted recloser (s/n 150651) installed in Integral Energy was found to have some problem with operation and indication. On return to NOJA Power it was found that the recloser had the water penetration into the interface box where control cable is connected.

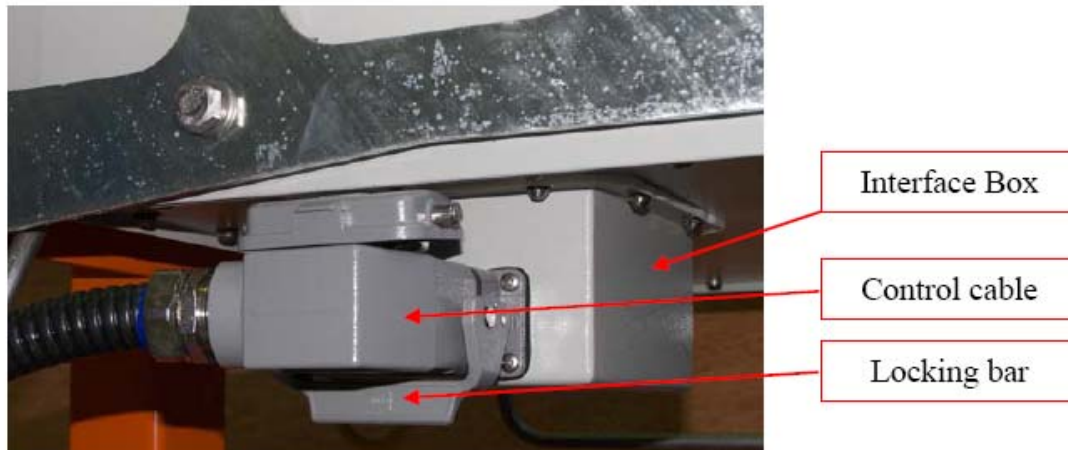


Figure 1: Connection of control cable to the recloser connector.

The connection of the recloser control cable to the recloser tank is done through Harting connector. This connector has IP65 rating when it is locked in place. The interface between plug and socket has a rubber gasket. If the connector is not locked properly or some items are caught between plug and socket, this would compromise IP65 rating.



Figure 2: Control cable locked in place

Contact: Virender Malik

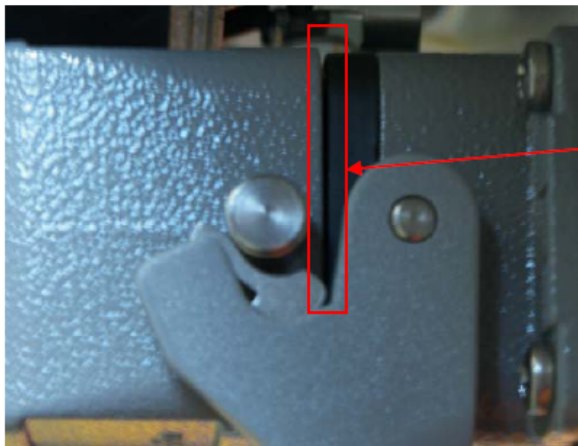
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Gap between the cable and connector when the cable is not locked.

Figure 3: Control cable not fully locked

Recommendations

It is recommended that during the installation of OSM reclosers care should be taken to ensure that no items are caught between the plug of the control cable and the socket on the recloser tank. Also, installation crew must ensure that the control cable is properly locked in place.

These measures will ensure that no water penetration will take place into the interface box which might affect the operation of the recloser.

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