

Digital Earth Relay

Static grounding and bonding systems are essential to provide security in safety control applications, where flammable products being handled for various process application viz. transferring at high velocity (loading / unloading operation, mixing, plant equipment etc.) or wherever there is real danger of isolated objects becoming highly charged in explosive / hazardous atmosphere.

Static Control Consulting Engineers have recently developed *first time in India* a new **Digital Earth Relay** to prevent static charge accumulation & discharge it to earth safely. The digital earth relay is most suited for monitoring of static path of any conductive plant installation. The monitoring circuit comprises of intrinsic safe circuit duly certified from CMRI. The system ensures correct earthing and bonding procedures are carried out before process operation takes place. The system becomes permissive when correct bonding to earth takes place. Local indicator as well ***actual resistance of object under test shall be displayed*** confirms the earth condition, while voltage free contacts may be interlocked.

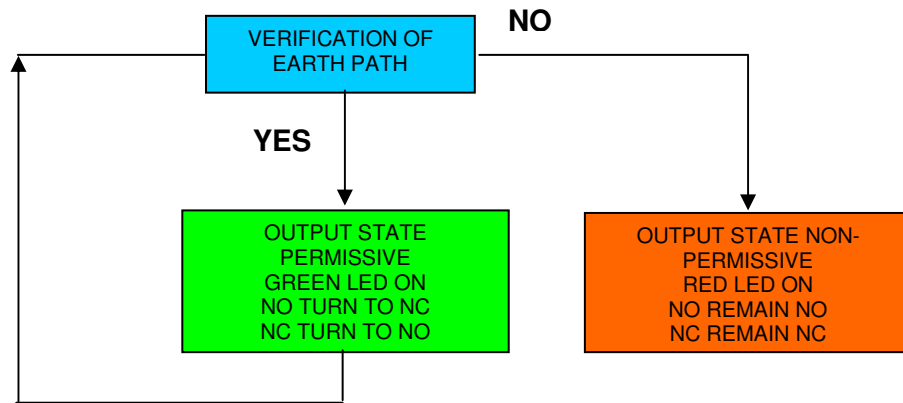
Key feature of the system

- ✓ It provides an effective connection to earth and prevents static accumulation
- ✓ It continuously monitors & ensures static discharge path of conductive plants equipments with the earth



- ✓ ***Digital Display of static earth path***
- ✓ One NO and one NC contact has been provided which can be interlocked to control operation
- ✓ Relay is most suited for following equipment / application
 - Storage tank
 - Reactor
 - Process vessel
 - Fluid Bed Drier
 - Process pump
 - Pipe lines
 - Centrifuge
 - Any conductive plant equipment

Earth monitor relay operates on following logic.



Certification	:	Monitoring circuit - Ex ia IIC T6 Enclosure - Exd IIA/IIB T4 IP 65
Power Supply	:	24 V DC
System Accessories	:	Controller with indicator light, Digital Display Junction box, Heavy duty clamp with 5 mtr Cable

For further information contact :
Static Control Consulting Engineers
11 Shubh Laxmi Industrial Estate
Opp. Vadodra Timber mart,
Nr. Maa Ansuya Nagar,
Pratap-Nagar Dabhoi Road,
Vadodara 390004, Gujarat, India
Tel : 09427312923
Email : prit21971@yahoo.com,
info@static-control.in
Web : www.static-control.in