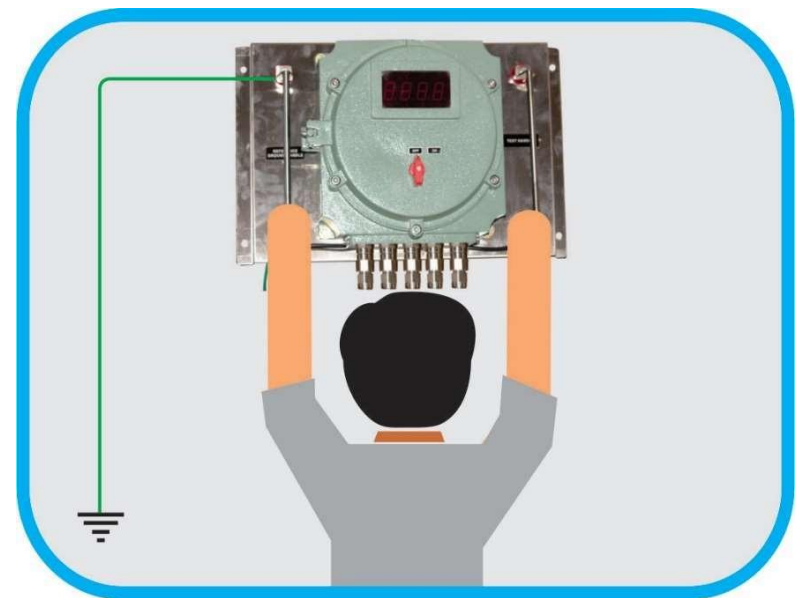


HUMAN BODY STATIC CHARGE DISSIPATOR



MODEL: SD-01E-D

To discharge the static charge developed in human body to the ground, human body static dissipator provides complete solution, by measuring the resistance of human body and providing conductive path for static charge dissipation to earth and It ensures that, the human body resistance is below 1000K Ohms and safe from risk of spark generated due to static discharge, prior to entering into hazardous area.

PRINCIPLE OF OPERATION

Human body static dissipator measures the resistance of human body and displays “Pass or Open” depending on the measured value of resistance. It also provides path for static charge of the human body to discharge to earth. When the resistance is above 1 Mega Ohm, the device displays “Open”. When the resistance is below 1 Mega ohm, the device displays “Pass”. A relay output contact is available which can be used for annunciation or interlock with the access door or gate to restrict entry of people only after static charge dissipation.

SPECIFICATION

Supply Voltage	Operation 230V ± 10%, 50HZ.
Max Test Voltage	1.5 VDC
Type of protection	Ex”d”
Type of ingress protection	IP66
Temperature Class	T4/T6
Interlock contact	1 c/o potential free contact
Display	bright 1” red display 4 digits
Unit size	355 x 270 x 165 are in mm with Gland
Overall size	20.5” L x 14.5”H x 8” D
Present resistance value	1000K ohm / 750k Ohm
Mounting	Wall mounting SS plate
Handles	Test & Ref. Ground handle
Power On/Off switch	06 Amp

GENERAL FLAME PROOF ENCLOSURE SPECIFICATION

Type of Protection	CIMFR / CCOE for Intrinsic safety (Ex-i)
Flame proof (Explosion proof)	Ex-d
Area Classification	Zone 1 & 2
Gas Groups	IIA/IIB, T6
IP Protection	IP 65/ IP 66
Apparatus Standard 2001 (IP-66)	For Ex-d- IS/IEC 60079-1: 2007, IS/ IEC 60529-1
Material	Cast Aluminum Alloy LM – 6
Temperature Class	T6 (85 deg.C)

OPERATION FLOW CHART

