Botron B9203 Technical Data Sheet

B BOTRON

Overview:

The Botron B9203 is designed to monitor resistance of both the work surface and the operators'. It comes with a built in audible alarm and LED, triggering either when either the operator or work surface falls out of spec, becomes disconnected, or ground is lost. It is a fixed resistor system and is go no go, there is no calibration needed. A full time monitoring system is necessary to reduce latency on the assembly line.

Product Notes and Features

1) Pass/Fail LED Alarm

2) Operator Right

3) Operator Left

PROPERTIES   SPECIFICATIONS

Operating Parameters:

Mat: Pass = >0 to < 6.75M
                        Fail = >6.75M
                        +/- 10%

Operator: Low Fail = < 675K
                        Pass = >750K to <8Meg
                        Fail High = >8.5Meg
                        +/- 10%

Size: .88" x 1.75" x 1.25"
Mounting: Screws on
Safe Condition: 1 Meg Ohm
Fault Condition: 6.5 Meg Ohm
Power: 110v std. 230v - opt. Power pack
Visual Alarm: green (safe), red (fault)
Operation: Active when plugged in

PART NUMBERS

B9203 Dual Operator Continuous Monitor

APPLICATIONS

To be used in work environments in accordance with S20.20 standard for monitoring resistance from worker to ground. It is recommended to use constant monitoring in work environments handling components that are more susceptible to ESD damage.

CALIBRATION

All Botron continuous monitors part numbers above do not need to be calibrated. They are a Go/No-go solid state, impedance based, monitors with no adjustability and does not need to be calibrated. It is always important to make sure that all units have a proper ground. An improper ground or poor connection will sound the alarm.

INSTALLATION

1. Mount monitor under front edge of bench area using Velcro or optional Z-brackets.
2. Mount both left and right remotes under the front edge of bench. Connect remotes to monitor inputs.
3. Connect ground cord (B9701) to either snap on mat and to ground.
4. From the monitor, using the ground wire, connect to unoccupied snap.
4. Attach power cord and plug in to a grounded 110v outlet.
5. With wrist strap fastened connect ground cord into the monitor. LED will go from Red to Green.
Notes:
This monitor system needs two snaps on mat and grounding hardware.
Operator LED should be Red and alarm should sound several times and then shut off on startup.
Wires should not be allowed to be stretched taut.