

Botron B9201 Technical Data Sheet



Overview:

The Botron B9201 is designed to monitor resistance of the operator's path to ground. It comes with a built in audible alarm and LED, triggering either when the operator 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.

PROPERTIES

SPECIFICATIONS

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

B9201 One Operator Monitor

Product Notes and Features

- 1) Snap for Direct Attachment to Table Mat
- 2) Banana Jack Input
- 3) Pass/Fail LED Alarm



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.

INSTALLATION

1. Mount monitor under bench area. ** If installed this way, use standard grounding methods
2. Plug in power supply to 115v grounded outlet & unit
3. Plug grounding wire into back of unit.
4. Plug wrist strap into monitor B9201
5. Turn switch on.
6. LED will light green if good. Time to time some people have higher and lower resistance. You can adjust this unit by turning the adjustment screw. If the body resistance is low turn adjustment screw to left to increase the resistivity. When the lamp is green it is in the correct position. If the body resistance is high, turn adjustment screw right to decrease resistivity. When green light comes on, that is the correct position
7. Alarm will sound and light will go red if strap is bad. It will also go into alarm if the ground is lost. You may turn off alarm with on/off switch in front of unit when not in use.
8. * Alternate mounting, use snap ground on monitor, to snap on mat. (must have 3/8" F-snap on mat)

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.

Botron Company Inc. | 325 W. Melinda Ln Phoenix AZ 85027 | Ph# 623-582-6700 | Fax# 623-582-6776

Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.

The statements herein shall have no force or effect.