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# **Resistance Ranger Cyclops**Operator Presence Sensor

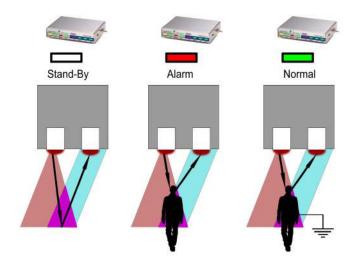
## Assure ESD Compliance with a Infrared Sensor for the Resistance Ranger Constant Monitor System

CYCLOPS™ operator presence sensors, from Transforming Technologies, assure compliance with personnel grounding requirements and protect ESD safe workstations by sensing when an operator is within the protected work area. An operator who approaches the workstation without connecting their wrist strap causes the Resistance Ranger monitor with the CYCLOPS™ sensor to alarm. The alarm continues until compliance is achieved, preventing isolated operators from damaging ESD sensitive devices

## **The Superior Resistance Monitoring System**

Workstations using resistance monitors are almost never at risk for a failed ground connection. This type of monitor is used with a two-wire (dual conductor) wrist strap. When a person is wearing a wrist strap, the monitor observes the resistance of the loop, consisting of a wire, a person, a wristband, and a second wire. If any part of the loop should open (become disconnected or have out of limit resistance), the circuit will go into the alarm state.

Meets or exceeds requirements of ANSI ESD-S20.20 and ESDA Standard 1.1-2006



# RANGER CYCLOS TM Operator Presence Sensor CM-REMOTE-IR Cyclops Remote IR Sensor

### **Features**

- Alarms When A Person is Sensed and Not Grounded By A Wrist Strap
- Works with Dual Wire Resistance
   Monitoring Technology
- Prevents Isolated Operators from Damaging ESD Sensitive Devices
- Causes Audible and Visual Alarms
   If ESD Compliance is Not Reached

## **Compatibility:**

Works with the Resistance Ranger Series from Transforming Technologies: CM1600, CM1601, CM1602, CM2815 and CM2800

## **Applications:**

ESD constant monitors reduce production costs by eliminating the time spent on testing wrist straps. Further savings may be realized by reduced ESD damage from broken wrist straps and work surface failures. Resistance based monitors are the most accurate technology available.

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