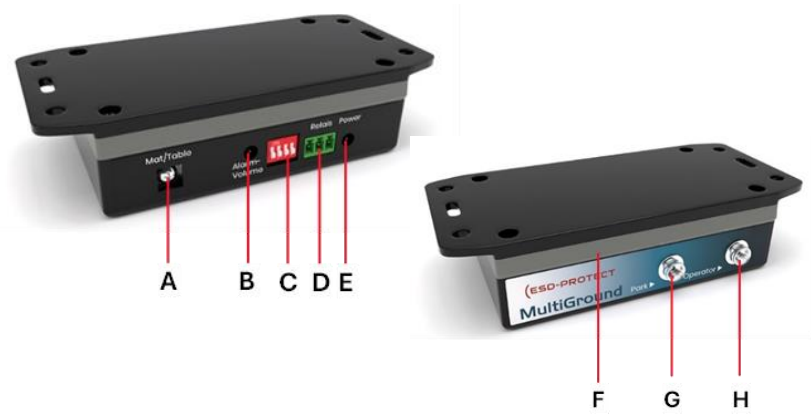


Overview

The MultiGround Monitor permanently monitors the grounding of a person and an ESD work surface. If the user unintentionally disconnects from the ground, or if the connection of the work surface to the ground is lost, a visual and audible alarm is triggered in the device and a relay output is activated.

Connections and functions

A	Connection work surface
B	Volume control buzzer
C	Dip switch
D	Relay connection
E	Connection desktop power supply
F	Status-Leuchtring
G	DK-10 Connector for parking position
H	DK-10 Wrist Strap Connector



Installation and commissioning

1. Connect the power supply to a suitable socket.
2. Determine the mounting location of the MultiGround monitor. The connections should be easily accessible to the operator and the LED ring (F) should be easily visible. Screw the MultiGround monitor securely into place. To do this, use the screw outlets in the lid of the monitor.
3. Connect the work surface to the work surface (A) connector using the ground wire **provided**.
4. Put on your wrist strap and connect to the push button (H) via the connection cable. The LEDs on the monitor should now light up permanently green.
5. If you want to leave the workplace, detach the cable from the wrist strap and plug it into the DK-10 connector of the parking position (G) within 5 seconds.

Light indicator status

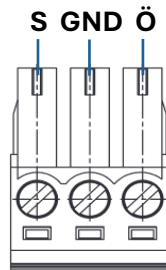
Blue	Parking position, wrist cable on (G) and (H).
Green	Grounding wrist strap and/or work surface ok.
Red	Grounding wrist strap faulty.
Flashing red	Grounding work surface faulty.
Blue & Red Flashing	Parking position, wrist cable on (G) and (H). Grounding work surface faulty

DIP Switch Settings

No.	Function	Default setting
1	Monitor desktop (ON=enabled)	OFF
2	Unoccupied	OFF
3	Relay output active (ON=activated)	ON
4	Internal buzzer active (ON=enabled)	ON

Relay Output

The MultiGround monitor has a relay output, which is switched on in the event of an alarm. This changeover can be wired either as a normally open or as an NC.



S = Close contact
GND = Common
Ö = Opening contact

Specifications

Operating voltage	24V DC
Power supply	Desktop Power Supply SPU16A-108
Entrance	90-264 VAC
Exit	DC +21V/27V/055A/0.72A Länge: 1.20m
Output cable	IEC320 C14
Input plug	Barrel connector 3.5mm x 1.35 mm (PE + RTN connected)
Output plug	118mm x 52mm x 34,5 mm
Dimensions	
Housing Dimensions	145mm x 65mm x 35mm (width x depth x height)
Weight	Approx. 165 g
Fortification	4 pcs 4 x 16 mm Wooden Countersunk Screws
Visual display	LED light ring red, green, blue & red flashing
Acoustic alarm	Internal buzzer (adjustable, switchable)
Relay Output	Changeover (NO, NC) can also be switched off via DIP switch
DK 10 connector (front)	Hand-held strap
DK 10 connector (front)	Parking position for wrist cables
Mat connection (rear)	For work surfaces M3 for M3/M4/M5 ring eyelets
Working surface threshold	< 10 MΩ

Scope of delivery

- 1 MultiGround Monitor
- 1 power supply SPU16A-108
- 1 IEC plug for power supply
- 1 Velcro strap for attaching power supply
- 1 push-button universal kit (DK-10 connection points for table surface or table mat)
- 1 grounding cable for work surface 0.35m
- 1 grounding cable for work mats 2.50 m
- 1 wood screw 3.5 X 16 for connection point to bottom table top
- 4 wooden countersunk screws Screws 4mm x 16mm for mounting MultiGround Monitor
- 1 connector, 3-pin for relay output