

Power tool switch - (Dead Man Switch)

Brief overview

The dead man switch is a replacement for mechanical switches in grinders and other power tools. Supplied to the user is a micro-button switch with a rubber cover along with the ZRID power module and termination block.

Installation Instructions

When installing the device to power tools please follow instructions, as it will prevent complications during the installation.

1. Remove covers to access mechanical switch.
2. Remove cables from mechanical switch (ensure you remember what cables are located where) and remove switch.
3. Find suitable location for the ZRID power module and termination block ensuring that the power tool covers can be replaced to original position.
 - a. For Metabo grinders it is an easy replacement as switch socket is used.
 - b. For other grinders or power tools, modification maybe required, either remove power module from plastic and/or cut plastic brackets in grinder body where mechanical switch was located or cut termination block into pieces.
4. Once location is found secure the power module.
5. Connect the following wires as shown in the wiring diagram below via the termination block;
 - a. Brown (active) and Blue wires are to be connected to 240/110V AC power supply coming in.
 - b. Red and Blue wires are to be connected to the field wires.
 - c. The two black wires must be connected to the micro button switch (instruction below).

Location of micro switch button

The micro switch can be placed anywhere the user will fill comfortable in operating it.

To install the micro switch;

1. Drill 4 small holes (1.5mm) using template in bottom right corner so that the legs of the switch stick through the housing (you may cut out template).
2. Secure the switch with a dab of super-glue on the underside.
3. Place glue on the four undersides of the rubber cover and place over the micro switch.
4. Solder the black wires to either the top two or bottom two legs as in micro switch template.

Ensure everything is secure and replace all covers.

To activate connect the power tool to power and then double press and hold the trigger.

Wiring Diagram

