

Universal Remote ON/OFF Power Switch for Magnetic Drill (Dead Man Switch)

Brief overview

The universal remote on/off power switch device can be used with or without the main PC Board in magnetic drills.

Supplied to the user is an overloading switch rated at 5 or 10 Amps (on user request), the on/off device which can be supplied in either an instantaneous or double press mode (on user request) and a dead man trigger.

Installation Instructions

When installing the device to the magnetic drill follow instructions, as it will prevent complications during the installation.

1. Remove the plate with the control switches so there is access to the compartment.
2. From the back or bottom of the magnetic drill cast-iron casing (depending on model), mark a spot where a 7mm hole can be drilled to allow the dead man trigger cable to enter. (Also ensure that it will not interfere with the securing of the device inside the compartment).
3. After drilling the hole insert the dead man trigger cable with a grommet to ensure no water or any type of liquid can enter the compartment and to protect the cable from being cut. After fitting the cable through the hole connect the cable to the empty connectors on the device.
4. To fit the overloading switch, remove the OFF switch from the control panel and drill a 14mm hole. Fit and secure the overloading switch to this location.
5. Connect the following wires to the following positions in the drill (as shown in diagram);
 - a. White and White/Black cable is to be connected to 240V AC mains
 - b. Red and Red/Black is to be connected to the 240V DC coil of the magnet in the drill
 - c. The two single white wires are to be connected in series with the overloading switch and the electric motor wires.
6. Tidy up the cables and secure the device inside the compartment with silicon on the base of the device. If the device does not fit, then the black box can be removed and the device by itself can be secured to the body.
7. Dead man trigger can be cable tied to the handle of the magnetic drill or be used freely

Note: If user has double press device then the dead man trigger will need to be pressed twice i.e. the same as double clicking on a mouse button

Wiring Diagram

