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OPERATION AND MAINTENANCE

INSTRUCTIONS

FOR

SCP SERIES

CONTACTOR CONTROL PANELS

The Ormandy Group: Ormandy Offsite / Ormandy Rycroft / Ormandy Electric
Ormandy H&S Boilers / Ormandy Newade / Ormandy Dreh / Ormandy Aquatherm
Ormandy Electric is a trading name of Ormandy Limited

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1) **INSTALLATION**

The contactor control panel is designed as a wall mounting enclosure for industrial duty. It should be mounted to suitable anchorage's, set into the wall, via the four mounting brackets

The control panels are CE marked for EMC compliance.

Drawings and schemes are produced to recognised European standards. The sequence of events works from left to right and top to bottom, with equipment, cable and fuse ratings marked. Copies are on the inside of the control panel.

2) **METHOD OF OPERATION**

The main isolator is mechanically linked with the panel door so that the door can only be opened with the power **“OFF”**

Before switching on the power ensure that all connections are made and are tight.

In the **“ON”** position, the coil circuit is energised through a 240 volt 2 Amp control fuse or mcb and the supply lamp is energised via a separate 240 volt 2 Amp fuse/mcb.

With the control thermostat(s) set at the desired operating temperature and calling for heat, the contactor(s) will be energised bringing the supply on to the heater stage(s) via suitably rated fuses/mcbs. When the desired operating temperature is achieved the control thermostat(s) will open the control circuit de energising the appropriate contactor.

Should the control thermostat remain in the closed position the master thermostat will open at its set temperature de energising all of the heater stages.

3) **MAINTENANCE**

It is very difficult to stipulate the frequency of maintenance required as this will depend on the application and siting of the panel. If the panel is sited in an area with heavy vibration we would suggest that the panel is checked every 3 to 4 months. This will in turn give an idea of how frequently the panel needs to be checked.

In non vibration applications we would suggest that the panel is checked every 6 to 9 months

On every inspection the following points should be carried out;

- a) With mains isolator in the **“OFF”** position, check all wiring for moisture, dirt or loose connections.

- b) Clean all dust and dirt from the panel interior
- c) Check contacts on contactors for signs of wear and replace as required.
- d) If fuses/circuit breakers are blowing or tripping with any frequency there is a fault!
This should be rectified!
Should this have occurred consideration must be given to replacing the circuit breakers as their characteristics may have altered!