

SARUM ELECTRONICS LIMITED

3 PHASE AUTOCHANGEOVER CONTROL



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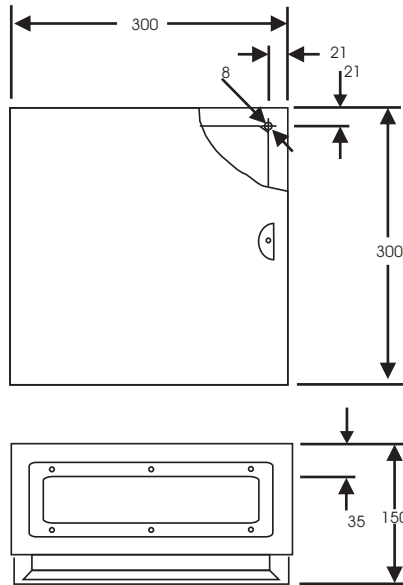
3 PHASE AUTOCHANGEOVER PANEL

INTRODUCTION

This controller is designed :

- To automatically change from one motor to another in the event of a fault condition.
- To ensure even duty of the motors, in its "Auto" mode, switch between motor 1 and motor 2 approximately every 5 hours. Alternatively, either motor can be selected and will only switch to standby in a fault condition. A double pole switch with neon is provided to switch the unit ON-OFF, the neon in the switch is illuminated in the ON position.
- So that in the event of a fault condition, the controller will automatically switch to standby motor. The display on the front of the control will show which motor is running and which has a fault. In addition to the fault indicator, a volt free contact rated at 230V 50Hz 5A will make under fault condition and stay made until the fault is removed and the control reset by switching OFF and back ON.
- So a fault condition can be monitored by any device or devices with a volt free contact which makes in a fault situation. This can be an airflow switch, flow switch, pressure switch, thermostat, humidity switch or any other suitable device.
- With a built-in electronic timer to prevent a fault condition being shown at turn on. This timer is set for approximately 20 seconds and will prevent spurious fault switching. Only after a fault condition has been monitored for 20 seconds will the standby motor be switched on.
- Each fan is protected with a thermal overload relay and an MCB. The standard 3phase autochange over is suitable for fans up to 8amp, controls for fans over this size would have to be in a larger enclosure.

ENCLOSURE DETAILS



CHARACTERISTICS

- * Enclosure and door manufactured from 1.5 mm sheet steel.
- * Flat mounting plate manufactured from 2.5 mm.

PAINT FINISH

- Eta standard cycle thermosetting epoxy polyester powder coating.
- * Enclosure and door RAL 7035 textured finish.

All dimensions in mm.

INSTALLATION INSTRUCTIONS

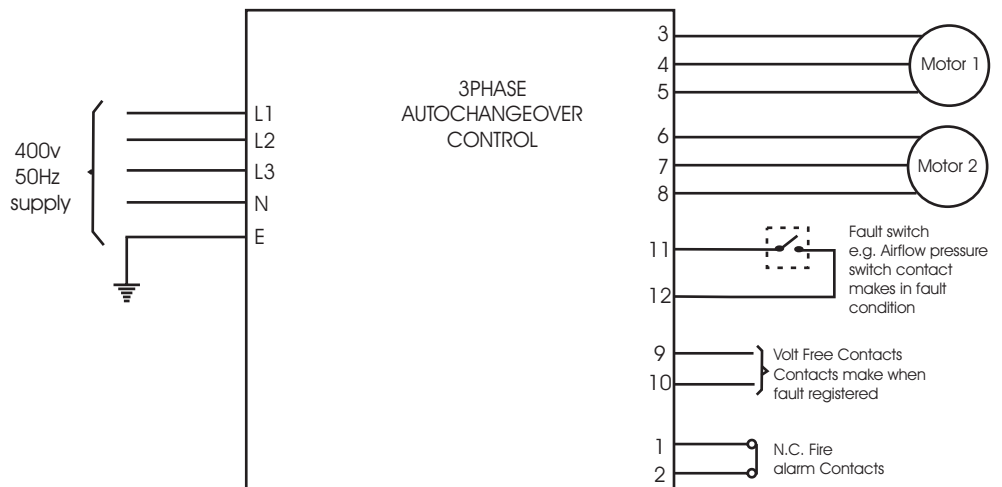
The panel is designed for wall mounting in a clean, dry environment where the ambient temperature does not exceed 30 C.

A space of approximately 50mm should be left around the enclosure to allow for heat dissipation.

Fix enclosure to the wall using proprietary fixings. Remove gland plate and drill and grommet for necessary cable entry and exits. Replace gland plate and wire panel in accordance with the wiring diagram.

All wiring must comply with current regulations and be in compliance with the Health and Safety at Work Act.

WIRING DIAGRAM



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