

The STI range of intelligent load transfer panels operate in conjunction with our autostart generating set control panels and incorporate the latest state of the art control technology.

The panels use a mechanically held motorised switch to transfer the load between the mains and the generating set. In the event of mains failure the control logic will automatically start the generating set and transfer the load. Only a two wire control interconnection to the generating set control panel is necessary.

The motorised switch can also be manually operated in the event of failure of any other part of the system. A further benefit of the switch is that it will remain mechanically held in position despite any fluctuations in supply. In addition, should maintenance be required on the control system the switch will remain in position and can be still be operated manually.

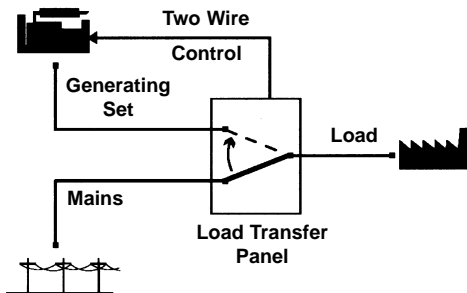
For ease of access the Printed Circuit Board (PCB) is mounted on a hinged lockable access door. The PCB will operate with any 3 phase voltage from 190 to 480 volts (50 or 60 Hz) and can easily be converted for single phase operation.

The connections to the control P.C.B. are by a multi-pin plug and socket. A door mounted Maintenance Control Keyswitch is included as a standard feature so the P.C.B. can easily be removed for maintenance purposes without disrupting the power supply to the load.

With the exception of the 125 Amp panel which is wall mounting, all panels are of the floor standing type, of modular construction and designed for bottom cable entry. They consist of a robust screw together steel frame with exterior cladding plates, switch mounting chassis and gland plate. All are painted with polyester powder to ensure a high degree of scuff resistance and durability. The construction permits the panel to be completely dismantled and re-assembled on site in the case of difficult access.

All floor standing STI panels have internal shrouding for operator safety when manually operating the switch.

Load Transfer panel pictured may include optional accessories.



STI Series



Load Transfer Panel

Standard Features

▶ Motorised Switch

Mechanically held motorised switch.

▶ Status Indication

Mains Available

Mains On Load

Generator Available

Generator on Load

▶ Fascia

Multi Language Mimic Fascia

Voltage Range - 190 to 480 volts

Frequency - 50 or 60 Hz

▶ Controls

Mode Selector Switch: Test with Load / Auto / Test Without Load

Mains Voltage Sensing Relays (50 - 280V AC)

Delay On Start Timer (minimum 1 sec; maximum 60 sec. Factory setting 6 sec.)

Generator Voltage Sensing Relays (50 - 280V AC)

Delay On Transfer Timer (minimum 1 sec; maximum 60 sec. Factory setting 6 sec.)

Delay on Retransfer Timer (minimum 2 min. 40 sec; maximum 28 min. Factory setting 2 min. 40 sec)

Cool Down Timer (minimum 3 sec; maximum 8 min. Factory setting 45 sec.)

Maintenance Control Keyswitch

Lamp Test Pushbutton

Optional Features

▶ **TICT** Top Cable Entry

▶ **TST1** Manual/Auto Retransfer Circuit

▶ **TAZ1** Interface Status Indication to Generating Set Control Panel

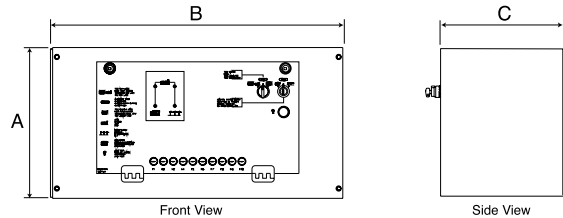
▶ **TIA1** Interface Status Indication to Remote Annunciator (volt free)

▶ **MBP** Manual Mains to Load Bypass Switch (doubles cabinet size)

Wall Mounting Panel Dimensions

Model	Rating	A: mm (in)	B: mm (in)	C: mm (in)
STI 125	125 Amps	360 (14.2)	720 (28.3)	300 (11.8)

Note: All Ratings AC21, AC23 available on request



Floor Standing Panel Dimensions

Model	Rating	A: mm (in)	B: mm (in)	C: mm (in)
STI 250	250 Amps	1368 (53.9)	570 (22.4)	570 (22.4)
STI 400	400 Amps	1368 (53.9)	570 (22.4)	570 (22.4)
STI 630	630 Amps	1368 (53.9)	570 (22.4)	570 (22.4)
STI 800	800 Amps	1938 (76.3)	760 (29.9)	760 (29.9)
STI 1250	1250 Amps	1938 (76.3)	760 (29.9)	760 (29.9)
STI 1600	1600 Amps	1938 (76.3)	760 (29.9)	760 (29.9)

Note: All Ratings AC21, AC23 available on request

