

FAN SPEED CONTROLS 230VAC 1 PHASE MANUAL OPERATION

MTY.. STL..

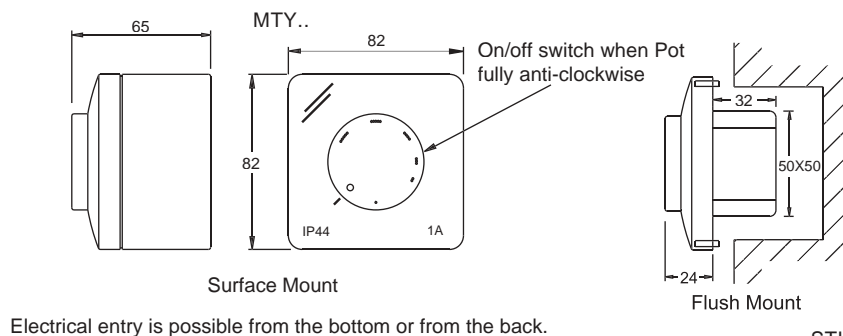
These electronic controls are used to manually adjust the speed of motors via a max - min adjusting knob on the front which reduces/increases the supply voltage to the motor. Before selecting a control its compatibility must be ensured. Please read the Motor Selection Guide on a separate data sheet.

When the unit is switched on and also when power is re-applied (with the speed control switch already in the on position), it will run up to the speed that is set by the potentiometer position.

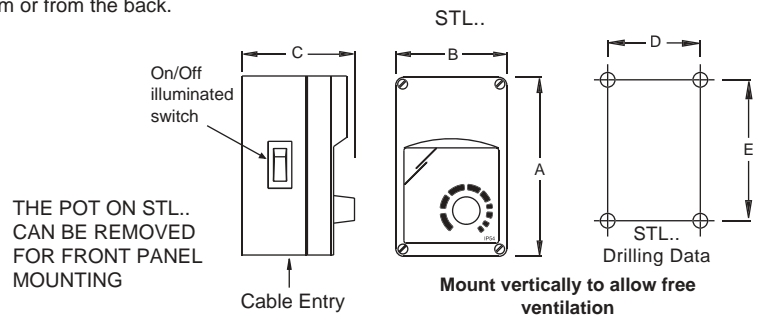
Type	Nominal Current	Supply 50-60Hz	Fast Blow Fuse Type "F" Fitted	Start Sequence	Manual Speed Adjustment	Mounting	Enclosure
MTY0	0.5A	230Vac	630mA	Pot Position	Internal pot	Surface and flush	IP44
MTY1	1A	230Vac	1.25A	Pot Position	Internal pot	Surface and flush	IP44
MTY2	2A	230Vac	2.5A	Pot Position	Internal pot	Surface and flush	IP44
MTY4	4A	230Vac	5A	Pot Position	Internal pot	Surface	IP54
STL10 S	1.5A	230Vac	3A	Pot Position	Internal pot	Surface	IP54
STL30 S	3A	230Vac	5A	Pot Position	Internal pot	Surface	IP54
STL50 S	5A	230Vac	8A	Pot Position	Internal pot	Surface	IP54
STL60 S	6A	230Vac	8A	Pot Position	Internal pot	Surface	IP54
STL100 S	10A	230Vac	14A	Pot Position	Internal pot	Surface	IP54

Minimum Speed can be set via the internal trim potentiometer. The maximum current is based on max ambient of 30°C. Enclosure : Plastic. Several motors can be connected at once as long as the speed control's maximum current is not exceeded. Suitable for 2 or 3 wire motors. The Speed Control's maximum current must be just larger than the nominal motor running current. Start current can be 3 x nominal current.

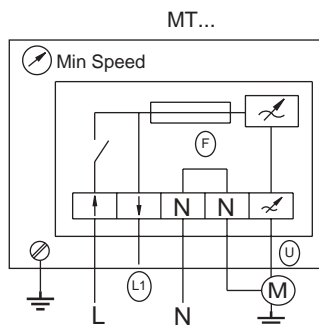
DIMENSIONS:



	STL10	STL30	STL50	STL60	STL100
kg	0.325	0.350	0.440	0.650	0.710
A	160		195		
B	83		115		
C	88		95		
D	71		98		
E	108		140		

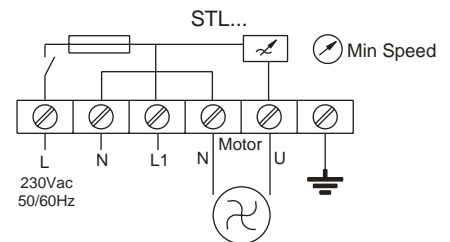


WIRING:



L - Live supply via On/Off switch: 230Vac
 F - Fuse-box with spare fuse (Ceramic, Type "F")
 L - Controlled live output to motor
 L1 - Non controlled live output 230Vac for 3 wire motors, or it can be used as a live supply to the controller, bypassing the On/Off switch which is incorporated in the turning knob/potentiometer.

All cables, isolators & external fuses must be fitted according to local regulations, safety & motor manufacturers requirements.



L1 : Live supply bypassing the Fuse & On/Off switch (which is on the side) or it can be used as a supply for 3 wire motors.

CAUTION:

These products may be connected to 230VAC supply. Isolate device from electrical supply before removing cover. Observe design limits of temperatures and electrical ratings. Always ensure the device operates at the correct electrical rating. If failure of the device can cause damage a safety backup control should be fitted. All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

The device should be checked by a qualified technician before applying any voltage. Observe all relevant safety precautions, wiring/earthing regulations & electrical ratings. Ensure all entry holes are completely sealed for IP65/weatherproof models.

