



STL

The electronic speed controllers of the STL series control the speed of single phase (230 Vac - 50 Hz) voltage controllable motors by varying the supplied voltage through phase angle control.

There is a potentiometer and a separate ON/OFF switch with built in telltale, the minimum speed allowed can be adjusted internally with a little trimmer (factory preset = 100 V). The terminal board has a supplementary connection to bypass the ON/OFF switch (automatic start) or to branch off 230 V not controlled (three wire motor connection, valve, lamp, damper, etc ...).

There are two working modes, internally selectable by placing or removing the red jumper on the PCB.

1. 'Hard' start: The motor will always start (or restart) at max. speed for 8-10 seconds, after that the motor speed automatically follows the position of the potentiometer.
2. Normal start: the motor starts according to the position of the potentiometer.

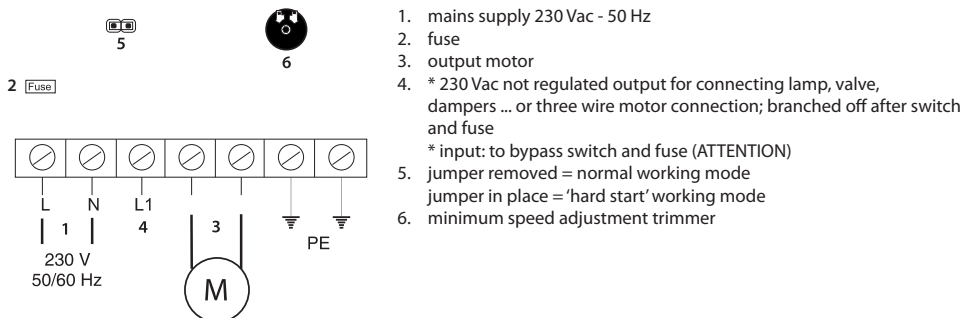
The IP 54 case allows the use in demanding environments.

Features

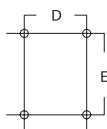
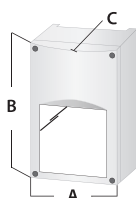
- < Supply: 230 Vac 50 Hz
- < Infinitely variable control
- < Minimum speed adjustable by internal trimmer
- < Illuminated On/Off switch
- < Max ambient temperature: 35 °C
- < Plastic enclosure (R-ABS, UL94-V0, grey RAL 7035)
- < IP 54
- < According to the low voltage directive: 2006/95/EC / the EMC directive: 2004/108/EC

| | STL-0-15-AT | STL-0-30-AT | STL-0-50-AT | STL-0-60-AT | STL-0100-AT |
|---------------------------|-------------|-------------|-------------|-------------|-----------------|
| Current rating (A) | 0,1 - 1,5 | 0,1 - 3,0 | 0,2 - 5,0 | 0,5 - 6,0 | 0,5 - 10,0 |
| Fuse (A) 5*20 mm | F 2 A-H | F 5 A-H | F 8 A-H | F 8 A-H | F 16 A-H (6*32) |

Wiring diagram



Dimensions & fixing



| | A | B | C | D | E | net weight | gross weight |
|--------------|-----|-----|----|----|-----|------------|--------------|
| STL1 | 83 | 160 | 66 | 71 | 108 | 350 gr | 370 gr |
| STL3 | 83 | 160 | 66 | 71 | 108 | 420 gr | 440 gr |
| STL5 | 83 | 160 | 81 | 71 | 108 | 565 gr | 585 gr |
| STL6 | 115 | 195 | 95 | 98 | 140 | 775 gr | 795 gr |
| STL10 | 115 | 195 | 95 | 98 | 140 | 755 gr | 775 gr |

