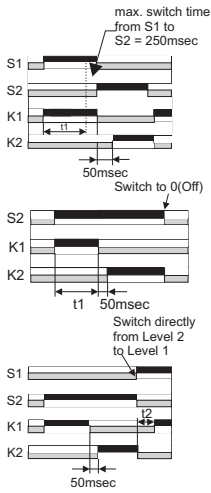


Description:

The LSM was designed specifically to control two-speed fan motors. The LSM is controlled by a two-position switch, which is connected directly to the LSM (S1, S2). The motor contactors are controlled by the two outputs (K1, K2).

The LSM will automatically control the speed selection so that the operator cannot switch the fan on from stand-still to high speed, or off when running in high speed.

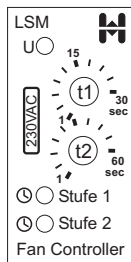
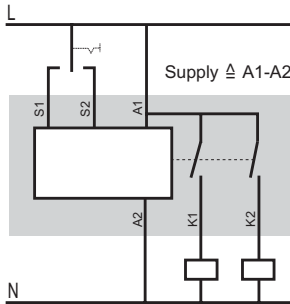
The 3 functions are:



1.) In switch position 1 the motor will run in low speed during the set time t1. After the time t1 has expired it is possible to switch over to position 2 for high speed. The switch over time is max. 250 msec. If this is exceeded the LSM goes to function 2.

2.) If switch position 2 (high speed) is selected before switch position 1, the motor will be forced to run for the time t1 (low speed). After t1 there will be an interval of 50 msec before the motor goes into high speed.

3.) Once in high speed, if the input is switched from position 2 to position 1 Or 0 (=stop), the high speed contact will switch off and the motor will be free wheel for the duration of timer t2 after which the low speed contact will switch on if the switch is in position 1, or will coast to a stop if switch position 0 is selected.



LSM

overview

- ◆ power supply 230V~
- ◆ 2 adjustable timers
- ◆ 2 relay outputs 230V~
- ◆ LED indicators for level 1+2
- ◆ 22.5mm DIN rail mount housing

specification

| | | |
|-----------------------------------|------------------------------|--------------------------------------|
| supply voltage variation | nominal voltage +10% / -15% | |
| frequency range | 48-63Hz | |
| duty cycle | 100% | |
| repeat accuracy | < 1% of the selected range | |
| output relay specification | max. 6A 230V~ | |
| relay type | 1 | |
| le AC-15* | 120V~ | 5A |
| le AC-15* | 240V~ | 4A |
| le DC-13* | 24V= | 4A |
| expected life time | DPCO | SPCO |
| mechanical | 2 x 10 ⁶ | resp. 1 x 10 ⁷ operations |
| electrical | 1 x 10 ⁵ | resp. 1 x 10 ⁵ operations |
| screws | pozidrive 1 | |
| screw tightening torque | 0,6...0,8Nm | |
| operating conditions | -20 to +60 °C non condensing | |

* EN 60947-5-1 VDE 0435

ordering information

| part no | supply | output | relay type | | housing types |
|------------|-----------|----------|------------|---|---------------|
| LSM 230Vac | 230V~ 8VA | 2 x SPNO | 1 | - | A |