

General

The Stauff Level / Temperature Switches (SLTS-series) are unique in their design and modularity. One of the greatest advantages is the ability of the end-user to adjust the switching level. The internal support wire carrying the level and temperature switches makes it a simple and quick job to change the level switch position. See the drawings on the next page for the max and min level switch points and the total available switching range. This design permits changing the level switch function from Normally Closed (NC) to Normally Open (NO). 12" and 18" stem lengths are standard. Custom lengths are available upon request.



DIAGNOSTICS

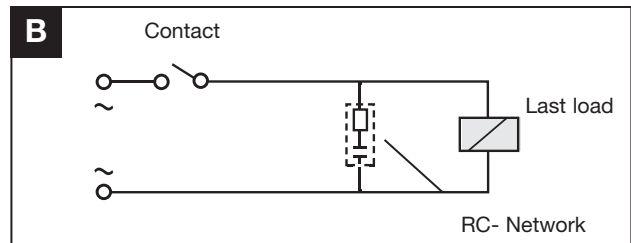
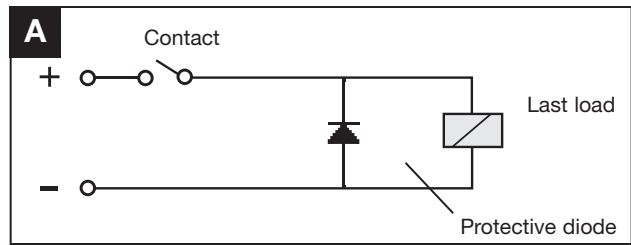
Contact Life Time

Due to their design Reed contacts have a very high life expectancy. However, it is worthwhile to note the following information.

Contact protection

To reduce the high reverse voltage produced when a reed switch opens, the following contact protection can be applied.

- a) DC voltage: a diode parallel to the load, see figure A
- b) AC voltage: an RC-network parallel to the load, see figure B and table below.



VA	10	25	50	75	100
Open contact voltage V	R/Ohm - C/μF	R/Ohm - C/μF	R/Ohm - C/μF	R/Ohm - C/μF	R/Ohm - C/μF
24	22 - 0,022	1 - 0,1	1 - 0,47	1 - 1	1 - 1
48	120 - 0,0047	22 - 0,022	1 - 0,1	1 - 0,47	1 - 0,47
110	470 - 0,001	120 - 0,0047	22 - 22	22 - 0,047	22 - 0,1

Wiring Diagram

Please refer to the following connection diagrams and the relevant data in the specification sheets.

