

- Process and temperature inputs**

Volt ,mA, potentiometer, NTC

PTC for thermic protection of machines
according to DIN 44082

- 1000 pts LED display for measurement**

- Internal or external threshold**

setting with push buttons (under the cover)
or with analog signal (4...20mA/0...10V)

- 1 or 2 output relays, 10A changeover contact**

- Application**

thermal protection relay, thermostat
threshold relay for 4 ... 20mA current loop



The DSL35L is a compact relay, allowing from an analog input, to define one or two independent thresholds to implement a simple regulation or a protection process. The measured value is readable on a 3 digits LED display.

DESCRIPTION :

standard inputs :

- voltage : Volt DC
- current : mA, A DC
- resistance 2 wires mounting
- potentiometer 3 wires (3.3V potentiometer ref.)
- NTC,
- PTC (1 à 9 PTC in series), stator winding,
- frequency

Special inputs : (mA, V, resistance)

- sum of two not-isolated inputs,
- difference of two not-isolated inputs,
- average of two not-isolated inputs,
- two inputs, maximum value selection,
- two inputs, minimum value selection,
- Humidity and temperature probe [SHL18](#) with supply

digital input : (option)

- lock or rearming,

Front panel :

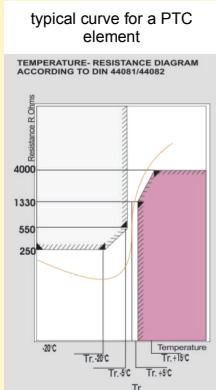
- measure display : 7 segments 3 digits (1000 pts) green LED, 10 mm height.
- sensor breaking or over range detection (display : LO ; HI)
- 2 green LED for the alarm status
- 2 push buttons under the hinged front face for device setting

Relay :

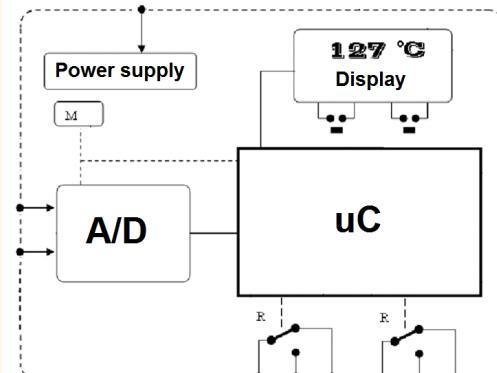
- output potential-free changeover contact can be used in alarm, ON/OFF regulation, thermostat, ...
- threshold, direction (hot, cold), hysteresis and delay are adjustable with the front panel push buttons.

Feature :

- Symmetrical DIN rail mounting according to EN50022
- Connection on spring terminals blocks max : 1 mm²
- Isolation : power / input / relay
- IP20 protection + electronic conformal coating
- Firmware update possible via rs232 link



Synoptic :



Version and order code:

[Request a quote](#)

DSL35L/R1:

- 1 electromechanical relay, 10A
- 2 electromechanical relays, 10A

input type and range to be defined

DSL35L-Cext:

- external setpoint option

- Option /Ts:** fast version < 3ms static relay 1 NO (300Vac-dc 0.1A or 60Vdc 0.5A to be defined)

Special versions : (available with 1 or 2 thresholds)

DSL35L-SVL 2 inputs, mini or maxi value selector (*selection type and input type to be defined*)

DSL35L-Dif difference from 2 inputs (*signed, unsigned, absolute : to be defined*)

DSL35L-SOM summation or average from 2 inputs

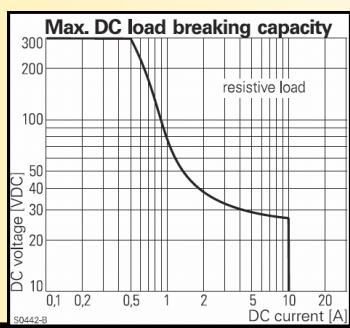
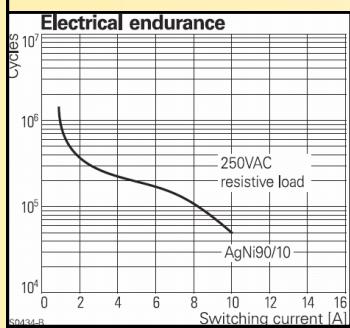
INPUT

TYPE	RANGE	PRECISION
Dc voltage	1V ... 1000 V	+/- 0.5% of range
Dc current mA, A	1 mA 1 A	+/- 0.5% of range
Resistance	100ohms....10Kohms	+/- 0.5% of range
Frequency	1Hz1KHz	+/- 1% of value

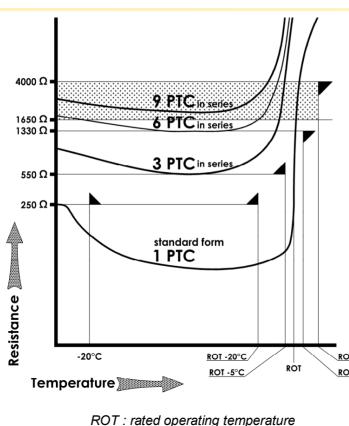
RELAYS

Changeover contact. Isolation:
Switching capacity:
Typical response time:
Repeatability of tripping:

1500 Vac
10 A / 250 V
50ms
+/- 0.3%

**WIRING AND OUTLINE DIMENSIONS:**

Threshold value (resistance) function of number of PTC in series wired on DSL35L relay



Typical application for PTC motor protection

