

NTL 151 | 15W to 150W



- Pressure clamp connectors
- Dynamic heating up
- Wide voltage range
- Energy saving
- Clip fixing, Quick installation

These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation. Pressure clamb connectors save time and simplify installation.

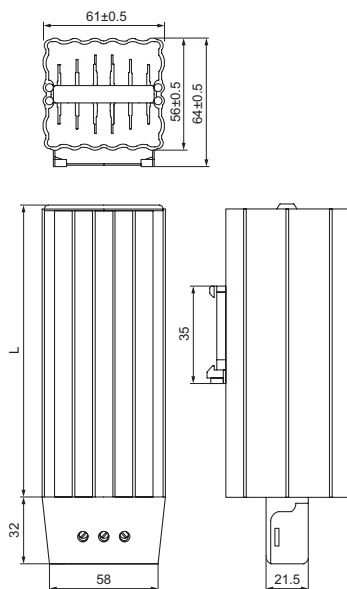
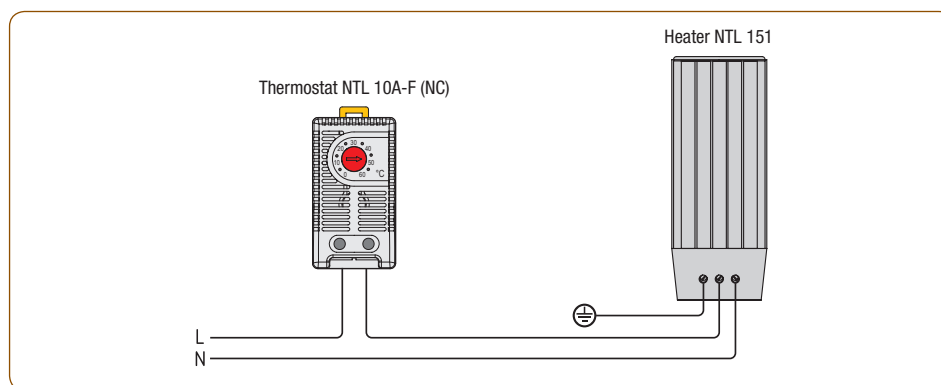
Technical Data

CE RoHS ISO9001 Patent

NTL 151	
Operating voltage	120-240V AC/DC ¹ (min. 110V, max. 265V)
Heating element	PTC resistor - temperature limiting
Heater body	extruded aluminium profile, anodised
Connection	3 pressure clamps for stranded wire 0.5-1.5mm ² (with wire end ferrule) and rigid wire 0.5- 2.5mm ²
Connection casing	plastic according to UL94 V-0, black
Mounting	clip for 35mm DIN rail, EN 60715
Fitting position	vertical airflow (air outlet up, connection on bottom)
Operating/Storage temperature	-45 to +70°C (-49 to +158°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type/Protection class	IP20 / I (earthed)
Accessoires	screw fixing
Note	other voltages on request

¹ Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%.

Example of connection



Art. No.	Heating capacity ²	Length (L)	Weight (approx.)
860063	15W	65mm	0.25kg
860064	30W	65mm	0.25kg
860065	45W	65mm	0.25kg
860066	50W	80mm	0.35kg
860067	60W	140mm	0.35kg
860068	75W	140mm	0.45kg
860069	100W	140mm	0.45kg
860070	150W	220mm	0.65kg

² at +20°C (+68°F) ambient temperature

Natural



RoHS

PT. BHUMIRAYA ANUGERAH

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NTL 10A-F / NTL 10B-F NTL 10A-M / NTL 10B-M



- Large setting range
- Small size
- Simple to mount
- High switching performance

NTL 10A-F / NTL 10A-M: Thermostat (normally closed); contact breaker for regulating heaters. The contact opens when temperature is rising.

NTL 10B-F / NTL 10B-M: Thermostat (normally open); contact maker for regulating of filter fans and heat exchangers or for switching signal devices when temperature limit has been exceeded. The contact closes when temperature is rising.

Technical Data

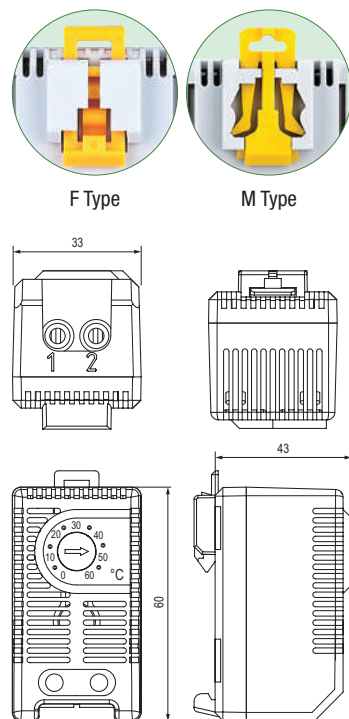
CE RoHS ISO9001 Patent

NTL 10A-F / NTL 10B-F / NTL 10A-M / NTL 10B-M

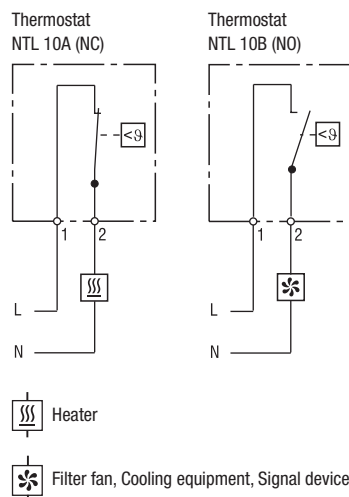
Switch temperature difference	+/-5°C
Sensor element	thermostatic bimetal
Contact type	snap-action contact
Service life	>100,000 cycles
Max. switching capacity	250VAC, 10 (2) A / 120VAC, 15 (2) A DC 30W at 24VDC to 72VDC
Max. inrush current	AC 16A for 10 sec.
Connection	2-pole terminal, clamping torque 0.5Nm max.: rigid wire 2.5mm ² (AWG 14) stranded wire ¹ 1.5mm ² (AWG 16)
Mounting	clip for 35mm DIN rail, EN 60715
Casing	plastic according to UL94 V-0, light grey
Dimensions	60 x 33 x 43mm
Weight	approx. 40g
Fitting position	variable
Operating/Storage temperature	-45 to +80°C (-49 to +176°F)
Operating/Storage humidity	max. 90% RH (non-condensing)
Protection type	IP20

¹ When connecting with wires, wire end ferrules must be used.

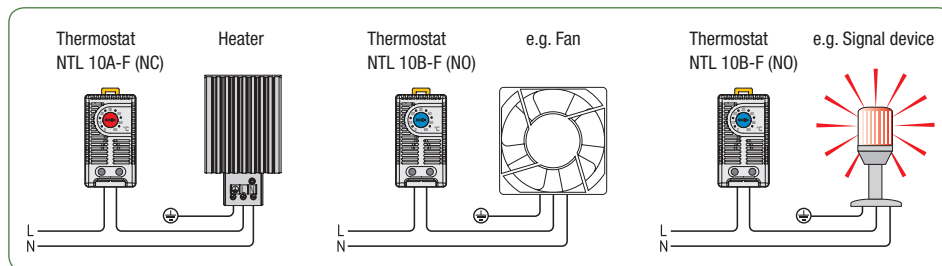
Important note: The contact system of the regulator is subjected to environmental influences, thus the contact resistance may change. This can lead to a voltage drop and/or self-heating of the contacts.



Connection diagrams



Examples of connection



Fast Fixing Type (F Type)		Manual Up down Type (M Type)		Setting range
NTL 10A-F (NC Type)	NTL 10B-F (NO Type)	NTL 10A-M (NC Type)	NTL 10B-M (NO Type)	
860001	860006	860610	860615	0 to +60°C
860002	860007	860611	860616	-10 to +50°C
860003	860008	860612	860617	+20 to +80°C
860004	860009	860613	860618	+32 to +140°F
860005	860010	860614	860619	+14 to +122°F