



Anticondensation Heaters

APPLICATION

Enclosure heaters are often necessary to prevent failures or corrosion caused by temperatures or high humidity inside the enclosure. Such conditions are likely to occur when ambient temperature is low and the equipment inside the enclosure is not powered or fails to dissipate enough heat to keep enclosure temperature above the minimum threshold. Outdoor enclosures, for instance, are almost always in such conditions.

SAFETY

According to the type and heater, surface temperature is limited either by a PTC or by an over temperature safety switch. This allows a safe operation and a self-adjusted heating power.

WIDE RANGE OF SOLUTIONS

Lund & Sorensen offers a wide range of solutions, all for DIN rail mounting:
 PTC heaters with connection on terminals, 25-150W
 PTC heaters with wire connection, 15-50W
 Resistor heaters, fan assisted, 250-500W
 PTC mini heaters, 5-30W
 PTC mini heaters, fan assisted, 75-230W

FAST INSTALLATION

Installation is fast and simple. All units are designed for fast mounting on 35mm DIN EN 50022 rail.

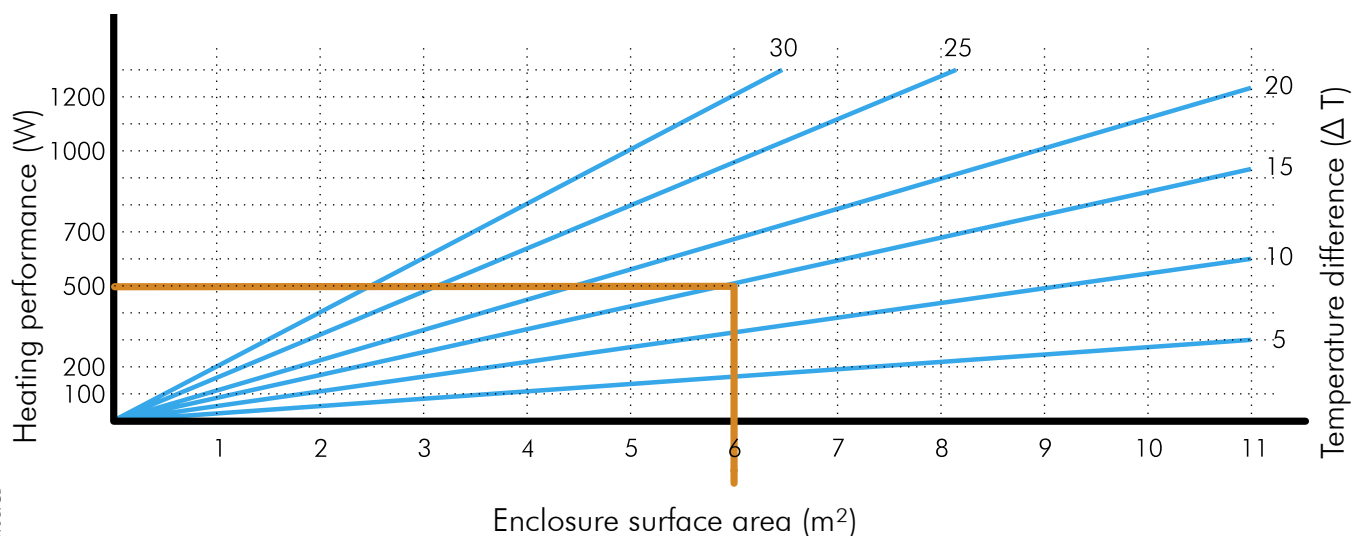
Cabinet Installation*	Surface A**
Cabinet, stand-alone	$A = 1,8 \times H \times (W+D) + 1,4 \times W \times D$
Cabinet, wall-mounted	$A = 1,4 \times W \times (H+D) + 1,8 \times D \times H$
First or last cabinet of interconnected system, stand-alone	$A = 1,4 \times W \times (H+D) + 1,8 \times W \times H$
First or last cabinet of interconnected system, wall-mounted	$A = 1,4 \times H \times (W+D) + 1,4 \times W \times D$
Center-Cabinet, stand-alone	$A = 1,8 \times W \times H + 1,4 \times W \times D + D \times H$
Center-Cabinet, wall-mounted	$A = 1,4 \times W \times (H+D) + D \times H$
Center-Cabinet, wall-mounted, covered top	$A = 1,4 \times W \times H + 0,7 \times W \times D + D \times H$

W = Cabinet Width (m), H = Cabinet Height (m), D = Cabinet Depth (m)

* Acc. to VDE 0660 part 500

** Formula for the calculation of the cabinet surface A (m²)

Anticondensation heaters selection diagram (guideline)



Lund & Sorensen A/S

Maserativej 4 | Tel. +45 75 85 78 22 | info@ls-windpower.com
 DK-7100 Vejle | Fax +45 75 85 75 35 | www.ls-windpower.com





WINDPOWER

Termotronic

QUALITY ASSURED
DEDICATED DESIGN
COST EFFECTIVE
EXPRESS DELIVERY

PRODUCT DESCRIPTION

TERMOTRONIC dehumidifying heating elements are made of an extruded, blackanodised aluminium profile. The large profile surface combined with the ceramic PTC-element ensures a temperature limit of 65-70°C at the profile surface.

Available in three lengths: 100, 200 and 250mm.

Available with 1 metre 3x1mm² silicone cable. A different cable length can be supplied at request.



APPLICATION

Moisture and frost problems in enclosed electrical installations, electronic boxes and control cabinets are solved by raising the temperature.

TERMOTRONIC dehumidifying heating elements are specially designed to solve this type of problems.

TECHNICAL SPECIFICATIONS

ITEM No.	Voltage	Power	L = mm	W = mm	H = mm
OT905054-7	230 V	50 W	100	120	31
OT907054-7	230 V	70 W	100	120	31
OT907055-7	230 V	70 W	200	120	31
OT910055-7	230 V	100 W	200	120	31
OT912055-7	230 V	120 W	200	120	31
OT912056-7	230 V	120 W	250	120	31
OT914056-7	230 V	140 W	250	120	31



Lund & Sorensen A/S

Maserativej 4 | Tel. +45 75 85 78 22 | info@ls-windpower.com
DK-7100 Vejle | Fax +45 75 85 75 35 | www.ls-windpower.com





WINDPOWER

Heaters 15-50W

PTC HEATERS
WIRE CONNECTION

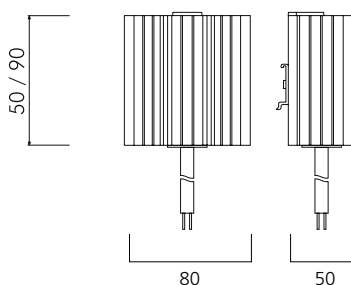


Features	Unit	15W	25W	50W
Heating Capacity*	W	15	25	50
Power supply	V	110-250V AC or DC		
Max. current	A	2A	2A	2A
Heating element type	-	PTC resistor, self regulating		
Electrical connections	-	Silicon cable, 2x0.5 mm ² , length 400 mm		
Protection class IEC	-	Class II		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-45/+70 (-49/+158)		
Stocking temperature	°C (°F)	-45/+70 (-49/+158)		
Radiator	-	Extruded aluminium profile, anodized		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Best efficiency in vertical position		
Dimensions HxWxD	mm	50x50x80	60x50x80	80x50x80
Cable length	mm	400	400	400
Weight	kg	0.20	0.24	0.29
Conformity	-	CE		

*at 20°C (68°F) ambient temperature

ACCESSORIES

Thermostat NC 0-60°C
Double thermostat NC 0-60°C NO 0-60°C
Hygrothermostat 0-60°C 30-90%RH



Lund & Sorensen A/S

Maserativej 4 | Tel. +45 75 85 78 22 | info@ls-windpower.com
DK-7100 Vejle | Fax +45 75 85 75 35 | www.ls-windpower.com





WINDPOWER

Heaters 25-150W

PTC HEATERS
TERMINAL CONNECTION

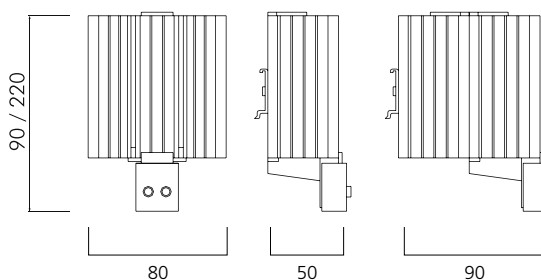


Features	Unit	25W	50W	75W	100W	125W	150W
Heating Capacity*	W	25	50	75	100	125	150
Power supply	V	110-250V AC or DC					
Max. current	A	2A	2A	4A	4A	6A	6A
Heating element type	-	PTC resistor, self regulating					
Electrical connections	-	2 screw terminals for stranded or rigid wire 4 mm ²					
Protection class IEC	-	Class II					
Protection degree EN60529	-	IP20					
Operating temperature	°C (°F)	-45/+70 (-49/+158)					
Stocking temperature	°C (°F)	-45/+70 (-49/+158)					
Radiator	-	Extruded aluminium profile, anodized					
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022					
Installation position	-	Best efficiency in vertical position					
Dimensions HxWxD	mm	90x50x80	110x50x80	160x50x80	110x90x80	160x90x80	220x90x80
Weight	kg	0.25	0.30	0.45	0.50	0.85	1.1
Conformity	-	CE					

*at 20°C (68°F) ambient temperature

ACCESSORIES

Thermostat NC 0-60°C
Double thermostat NC 0-60°C NO 0-60°C
Hygrothermostat 0-60°C 30-90%RH



Lund & Sorensen A/S

Maserativej 4 | Tel. +45 75 85 78 22 | info@ls-windpower.com
DK-7100 Vejle | Fax +45 75 85 75 35 | www.ls-windpower.com

