



ACCESSORIES

RA - Anti-Condensation Heaters

Descrizione: The formation of condensation inside electric cabinets is responsible for oxidation of the equipment in the cabinet and the consequent loss of insulation and electrical rigidity.

The anti-condensation resistances restore an optimal temperature for operation of the components, avoiding the formation of condensation and the consequent danger of oxidation of the components in the cabinet.

The maximum temperature that can be reached by the dissipaters does not exceed 60° C, thus offering guarantees of safety and applicability, even inside plastic containers.

In order to increase the efficiency, the resistances with greatest power can be equipped with a fan.

The resistances without a fan are equipped with:

- Thermally regulated PTC
- Anodised aluminium section
- Cable with diameter of 2x20AWG with PFA sheath
- Rapid attachment snap on system on DIN-35 EN 500222. guides

The devices with fans (*) include, in addition to all of the components of the devices without fans:

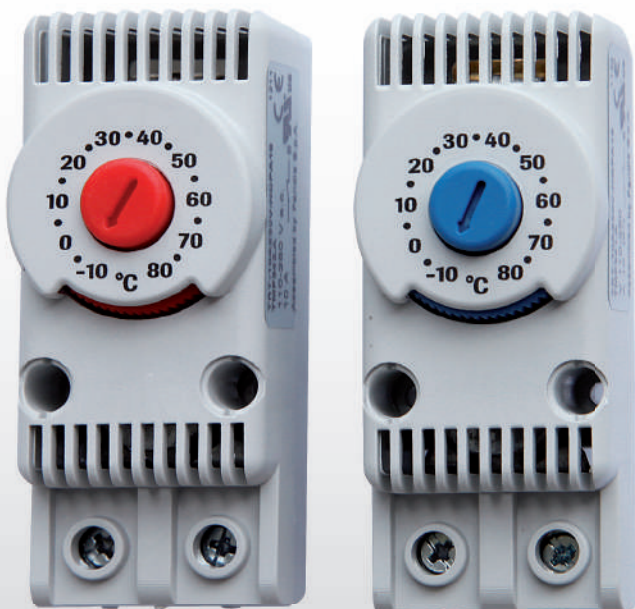
- Fans on ball bearings for high dependability and long life, homologated UL, CSA and VDE
- Chrome and nickel-plated protective metal grill

Suggestions for installation:

- It is advisable to install the resistances in the lower part of the cabinet, underneath the equipment.
- In large cabinets it is advisable to install a number of small power elements instead of one high power element, in order to obtain a more homogeneous distribution of heat.
- In order to ensure perfect heat convection, it is advisable that the heaters be mounted vertically, with the power cable turned towards the bottom.

CODE	Dimensions		Power thermal yield	Current absorbed	Power	Weight
	A	B	W	mA	Vc.a - Hz	Kg
RA 015	72	64	15	65	110/250 - 50/60	0,10
RA 030	102	64	30	130	110/250 - 50/60	0,12
RA 045	102	64	45	190	110/250 - 50/60	0,28
RA 080	152	64	80	370	110/250 - 50/60	0,40
RA 100	152	64	100	490	110/250 - 50/60	0,40
RA 150	227	64	150	640	110/250 - 50/60	0,59
RA 250V 230 (*)	197	81	270	1190	230 - 50/60	0,49
RA 400V 230 (*)	272	81	430	1900	230 - 50/60	0,66

- The minimum distance of the heaters from the walls of the cabinet must be 50 mm.
- In the event the heaters are controlled by a thermostat, it must be positioned in the centre of the cabinet.
- In order to avoid the formation of condensation, it is advisable to power the resistances even when the electric cabinet is disconnected.



TMF342

TMF341



TEM480

ACCESSORIES ■ TMF, TEM - Termostati

TMF 341, TMF 342 - Thermostats, micro switches and luminous devices

Descrizione: These are devices for the control of cabinet temperature, if they are connected to fans and resistances, or to signal alarms. The contact of the TMF341 thermostat (BLUE) is normally open and can be used to signal temperature alarms or to control the ventilation systems.

The contact of the TMF 342 thermostat (RED) is normally closed and can be used both to signal alarms and to control anti-condensation resistances.

TEM 480 - Electronic alarm thermostat

The TEM 480 model thermostat, which must be powered electrically, differs from the previous thermostats, inasmuch as it has a contact in exchange and a very limited differential of intervention, or hysteresis. The installation is foreseen on the DIN bar and adjustment is performed with a screwdriver.

CODE	Features
TMF341	NC contact temperature alarm thermostat, for DIN rail
TMF342	NC contact temperature alarm thermostat, for DIN rail
TEM480	Electronic alarm thermostat for DIN rail



ACCESSORIES

MIC, DLS - Micro switch and flashing light device

- **MIC - Microswitch:** these devices are activated by simply closing the door.

Two versions are available:

MIC 250 – three-pole with three NC contacts

MIC 260 – single pole with one NA contact and manual activation

MIC 261 – single pole with one NA contact (600 VAC) and manual activation.

- **DLS - Flashing light device:** these devices must be connected just below the main switch, to detect and signal, upon opening of the door of the cabinet, the power status of the electric cabinet itself, therefore showing a condition of danger.

DLS200: flashing device 220÷290 V AC – single phase 190÷500 V AC – three-phase. There are various pre-wired versions:

DLS250: pre-wired device complete with DLS 200, MIC 250 to control flashing lights, supports in galvanised steel and attachment screws;

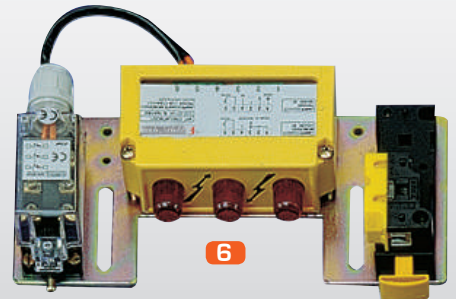
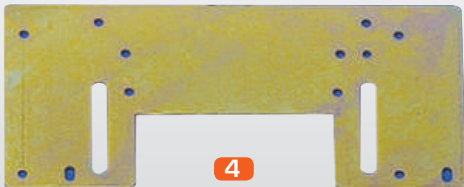
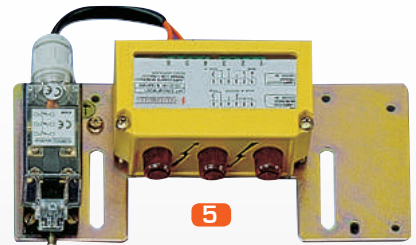
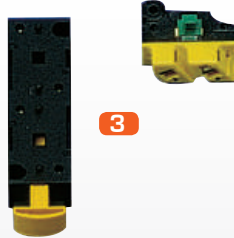
DLS251: pre-wired device complete with DLS 200, MIC 250 to control flashing lights, MIC 260 available, supports in galvanised steel and attachment screws;

DLS252: pre-wired device complete with DLS 200, DLM 213, MIC 250 to control flashing lights, supports in galvanised steel and attachment screws;

DLS253: pre-wired device complete with DLS 200, DLM 213, MIC 250 to control flashing lights and MIC 260 available, supports in galvanised steel and attachment screws;

DLS254: pre-wired device complete with DLS 200, metal fixture for E27 lamp, MIC 250 to control flashing light, supports in galvanised steel and attachment screws;

DLS255: pre-wired device complete with DLS 200, metal fixture for E27 lamp, MIC 250 to control flashing light, MIC 260 available, supports in galvanised steel and attachment screws.



CODE	Features	N°
MIC250	Tripolar micro with three NC contacts	1
MIC251	Tripolar micro with three NC contacts and bracket	
MIC260	Single-pole micro with NO contact (600 VAC max.) At R. 230 VAC with manual operation	3
MIC260/NA	Additional NO contact for MIC260	
MIC260/NC	Additional NC contact for MIC260	
MIC261	Micro unipolar with NO contact (600 VAC max.) A R. 230 VAC manual and bracket	
DLS250/S	Bracket for DLS250 with 2 micro	4
DLS250/E27	Bracket for DLS250 with 4 micro and E27 lamp	
DLS250/DLM	Additional bracket for DLS250 - DLS251 for lamp fixing	
DLS200	Single-phase flashing light (220-290 VAC), three-phase (190-500 VAC) for electrical panels with unipolar micro control.	2
DLS250	Single-phase flashing device (220-290 VAC), (190-500 VAC) three-phase with micro tripolar and bracket	5
DLS251	Single-phase flashing device (220-290 VAC), (190-500 VAC) three-phase with micro tripolar command flashing light, galvanized steel bracket and screws.	6
DLS252	Single-phase flashing device (220-290 VAC), (190-500 VAC) three-phase with LED lamp 13W 230V 50/60 Hz micro bipolar flashing light and steel bracket and screws.	
DLS253	Single-phase flashing device (220-290 VAC), (190-500 VAC) three-phase with 13W 230V 50/60 Hz micro unipolar LED lamp with NO manual operation, galvanized steel bracket and screws.	



ACCESSORIES

DLM - Bright devices

Description: indoor lamps are devices suitable for all types of cabinets in the Quadritalia range. They are particularly useful in environments with poor visibility, thanks to the brightness of the LED. The easy fixing to the frame of the panel is guaranteed by the supplied brackets. Assembly is possible both horizontally and vertically. The lamps must be powered with 220V - 50 / 60Hz.

CODE	Description
DLS250/DLM	Additional bracket for lamp fixing
DLM213	LED interior lamp 230V 50/60 Hz, 13W L = 565 mm with switch
DLM218	Internal LED lamp 230V 50/60 Hz, 18W L = 640 mm