

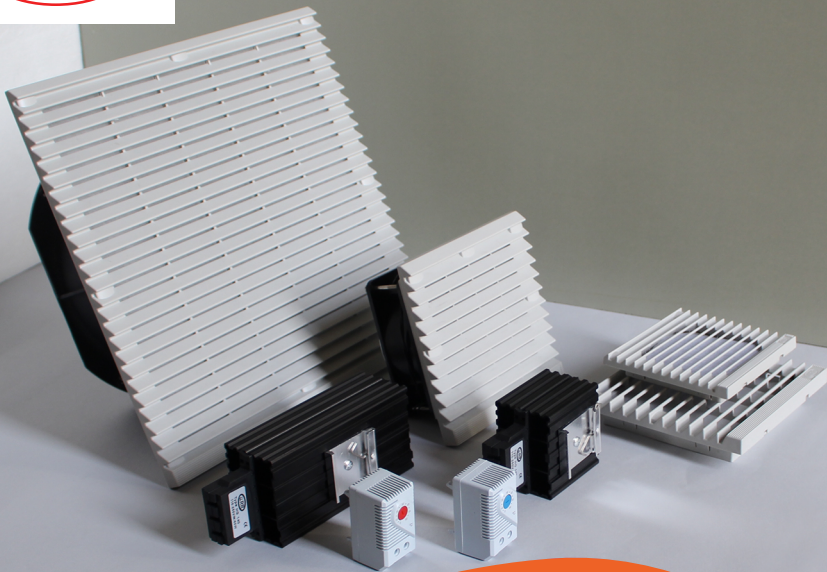


Control Panel Ventilation Systems

An efficient ventilation system is essential in order to ensure the trouble-free operation of your switchgear assembly.

A ventilation system works best if it has the following components:

1. Air circulation fans with air filters
2. Anti-condensation semiconductor heaters
3. Control systems: thermostats for fans and heaters and hygrometers
4. Exit filters



Air Circulation Fans with Air Filters

We currently offer two models of fans:

1. The CT series, and
2. The ZL series

The two differ in size and specifications. Both are equipped with clip-on/snap-on fixing systems. This makes installation quick and convenient as there is no need for screws or nuts and bolts.



Anti-condensation heaters

Anti-condensation heaters are a must whenever there is a danger

of moisture damaging sensitive electronic equipment. These components must be protected from humidity and moisture condensed from the air.

Anti-condensation heaters fulfil this role within the ventilation system.

Hygrometers

Hygrometers are used to regulate the relative humidity of the air in the enclosure. It turns on the heater at a set humidity level. The dew point is thus raised, preventing condensation, and helping to prevent damage and faulty functioning of sensitive components.

Features:

- Adjustable range of humidity
- High switching capacity
- DIN Rail mounting



Thermostats

Thermostats are indispensable for keeping temperature within the required limits. They are of two types*:

Contact Makers: Used with fans. The contact is normally open; when the temperature goes beyond the set limit the thermostat closes the contact, starting the fan.

Features:

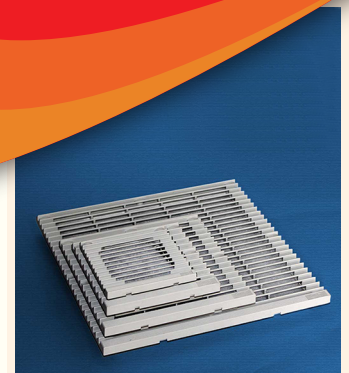
- a. Wide temperature range: 0 °C to 60 °C.
- b. 110 V–240 V AC, 10 A
- c. DIN rail mountable

Contact Breakers: Used with heaters. The contact is normally closed. When the temperature goes above the set limit the contact is opened, thus shutting off the heater.

Features:

- a. Wide temperature range: 0 °C to 60 °C.
- b. 110 V–240 V AC, 10 A
- c. DIN rail mountable

*with blue knob when used with fans, and red knob when used with heaters



Exit Filters

For proper air circulation there must be an exit and entry point for the air that the fan removes or draws in. The air that comes in must be filtered to keep it free from dust and other impurities that could result in sub-optimal functioning of the switchgear equipment.

Filters are offered with the following features:

- Made of ABS plastic.
- Sizes:
 - 116 mm × 116 mm
 - 147 mm × 147 mm
 - 150 mm × 150 mm
 - 205 mm × 205 mm
 - 255 mm × 255 mm
 - 325 mm × 325 mm
- Colors:
 - RAL7032
 - RAL 7035



Fan with Filter

Model No.	Outer Size	Cutout Size*	Air Flow
ZL802	116×116 mm	92.5×92.5 mm	39 m³/h
ZL803	150×150 mm	122×122 mm	140 m³/h
CT205	205×205 mm	175×175 mm	140 m³/h
CT256	256×256 mm	222×222 mm	300 m³/h
CT320	320×320 mm	290×290 mm	1020 m³/h
ZL806	320×320 mm	283×283 mm	1320 m³/h

Both colours, RAL7032 and RAL7035 are available

** Cutout sizes for both fans and exit filters are the same*



Semiconductor Heater

Model No.	Power	Max. Current	Length	Weight
RRH15W	15W	1.5A	2.6/65 mm	0.3 Kg
RRH30W	30W	3.0A	2.6/65 mm	0.3 Kg
RRH45W	45W	3.5A	2.6/65 mm	0.3 Kg
RRH60W	60W	2.5A	5.5/140 mm	0.5 Kg
RRH75W	75W	4.0A	5.5/140 mm	0.5 Kg
RRH100W	100W	4.5A	5.5/140 mm	0.5 Kg
RRH150W	150W	9.0A	5.5/140 mm	0.8 Kg



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