



**TRT mechanical bimetal thermostats** (used to control temperatures within enclosures)

Bimetal thermostats used to control temperatures inside enclosures. Suitable for different applications, available with closed-on-rise (NO) or open-on rise (NC) contact for regulation of heating and ventilation equipment or for switching signalling devices.

- DIN rail mountable
- IP20 protected screw terminals
- Enclosure PA66 self-extinguishing to UL 94V-0
- Compact dimensions - (H) 68 x (W) 29 x (D) 45 mm
- Applied standards EN 60730-1, UL approved UL873 and C22.2

type	temperature range	contact	description
TRT-10A230V-NO	-10 - +80°C	1 x NO	DIN rail mount panel thermostat (blue knob)
TRT-10A230V-NC	-10 - +80°C	1 x NC	DIN rail mount panel thermostat (red knob)

**IGR mechanical hygrometers**

Mechanical hygrometers automatically regulate humidity inside enclosures, triggering a heater or fan when a preset relative humidity is exceeded. To prevent condensation on electric and electronic components the relative humidity is raised above the dew point.

IGR35F	10 - 90% RH	ch/over	DIN rail mounting panel hygrometer
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**Panel heaters (anti-condensation)** 15W - 400W

For the thermo regulation of electrical cabinets. The heaters consist of a self-extinguishing PTC element in a black anodized aluminium DIN rail mountable housing.

- Compact dimensions - DIN rail mounting
- Self-regulating PTC resistance
- Voltage range: 110 - 250 VAC
- Screw terminal connection (15/30W heaters supplied with 500 mm cable)
- Complies with standards: IEC/EN 60335-1 and IEC 60004-1

type	heating power	absorbed current	description	dimensions (mm)		
				(H)	(W)	(D)
RACP-15	15 W	65mA	rail mnt panel heater	72	61	64
RACP-30	30 W	130mA	rail mnt panel heater	102	61	64
RACM-45	45 W	200mA	rail mnt panel heater	117	61	64
RACM-60	60 W	260mA	rail mnt panel heater	117	61	64
RACM-80	80 W	390mA	rail mnt panel heater	167	61	64
RACM-100	100 W	475mA	rail mnt panel heater	167	61	64
RACMS-150	150 W	770mA	rail mnt panel heater	242	61	64
RACMV-250	250W	1035mA	rail mnt panel heater	197	61	81
RACMV-400	400W	1800mA	rail mnt panel heater	272	61	81

**Panel ventilation**

**FF series complete fan-filter units** (IP54)

Fandis fan-filter units are the outcome of experience gained in the field of control cabinet ventilation. Compact design, snap-on mounting, integrated sealing gasket preventing dust and water penetration. Ideal for all panel ventilation applications.

- Complete fan with mounting frame, removable filter and metal finger guard
- Screwless mounting (simply clips into panel cut-out)
- Plastic parts self extinguishing to UL 94V-0
- Permanent sealing gasket in polyurethane foam
- Shielded self lubricating ball bearing fans
- Filter replaceable from the front removable grill

**FF series complete fan-filter units** (IP54)

type	voltage (V)	power (W)	air flow (m³/h)	noise (dB/A)	description	dimensions (mm²)	
						frame	cutout
FF08A230UN	230 VAC	10	12/16	31	complete fan filter	107	92
FF12A230UF	230 VAC	18	45	43	complete fan filter	150	126
FF15A230UF	230 VAC	20	115	43	complete fan filter	250	224
FF20A230UE	230 VAC	67	520	60	complete fan filter	325	292

**Filter grill/frame (without fan) as inlet or outlet**

FF08U	separate panel mount ventilation inlet or outlet/filter unit	107	92
FF12U	separate panel mount ventilation inlet or outlet/filter unit	150	125
FF15U	separate panel mount ventilation inlet or outlet/filter unit	250	223
FF20U	separate panel mount ventilation inlet or outlet/filter unit	325	291