



**TRT series - 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.

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

type	temperature range	contact	description	
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**Thermostats (panel mount)**

<b>TRT-10A230V-NO</b>	-10 - +80°C	1 x NO	DIN rail mount panel thermostat	(blue knob)
<b>TRT-10A230V-NC</b>	-10 - +80°C	1 x NC	DIN rail mount panel thermostat	(red knob)

**IGR series - Mechanical hygrostat**

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.

<b>IGR35F</b>	10 - 90% RH	ch/over	DIN rail mounting panel hygrometer	
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**Panel ventilation**

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

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**

type	voltage (V)	power (W)	air flow (m³/h)	noise (dB/A)	description	dimensions (mm²)	
						frame	cutout
<b>FF08A230UN</b>	230 VAC	10	10	33	complete fan filter	107	92
<b>FF12A230UF</b>	230 VAC	18	45	49	complete fan filter	150	124
<b>FF15A230UF</b>	230 VAC	32	230	50	complete fan filter	250	223
<b>FF20A230UE</b>	230 VAC	79	460	66	complete fan filter	325	291

**Outlet filter grill/frame (without fan)**

<b>FF08U</b>	separate panel mount ventilation outlet/filter unit	107	92
<b>FF12U</b>	separate panel mount ventilation outlet/filter unit	150	124
<b>FF15U</b>	separate panel mount ventilation outlet/filter unit	250	223
<b>FF20U</b>	separate panel mount ventilation outlet/filter unit	325	291

**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
- Screw terminal connection (15/30W heaters supplied with 500 mm cable)
- Voltage range: 110 - 250 VAC
- Complies with standards: IEC/EN 60335-1 and IEC 60004-1

type	heating power	current mA	description	dimensions (mm)		
				(H)	(W)	(D)
<b>HWM015</b>	15 W	65	DIN rail mount panel heater	78	28	49
<b>HWM030</b>	30 W	130	DIN rail mount panel heater	108	28	49
<b>HTM060</b>	60 W	260	DIN rail mount panel heater	138	62	85
<b>HTM100</b>	100 W	475	DIN rail mount panel heater	188	62	85
<b>HTM150</b>	150 W	770	DIN rail mount panel heater	238	62	85