

MAGNUM ETR-2

Thermostat for MAGNUM Outdoor systems

An intelligent all-in-one solution for ice and snow melting suitable for any application which uses hydronic or electric heating. Optimal operation is ensured through output control, making the system both effective and economical. ETR-2 offers the possibility of snow melting - the green way.

MAGNUM has developed the ETR-2 controller for ice and snow melting in gutters or small ground areas. Using readings from temperature and moisture sensors, the controller ensures economical control of power consumptions when keeping outdoor areas or roofs free of ice and snow. The moisture sensor is installed in the surface of the outdoor area or placed in the gutter. As soon as moisture is detected, the ETR-2 controller activates the snow melting system. Once the sensor has dried out, the thermostat immediately goes in afterrun and the system will continue to provide heat for a chosen time.

The ETR-2 gives an economical control of ice-and snow melting for all smaller applications. With focus on power consumption and easy installation, the ETR-2 keeps gutters and small ground areas free of ice and snow.

Functions:

- Economical control of ice and snow melting in the outdoor area and gutters
- Detection of temperature and moisture
- Electronic on/off control up to 3,600W
- For roof or gutter applications
- Easy to install
- Adjustable moisture sensitivity
- Possibility to activate forced heat



Specifications

| | |
|-------------------------|--|
| Supply voltage | 230V ±10% 50/60 Hz |
| On/off differential | 0,4°C |
| Setting of temperature | 0°C - 10°C |
| Setting of afterruntime | 0 - 5 hours |
| Output relays | 16A potential-free 3600W |
| Power consumption | 3VA |
| Temp. range (ambient) | 0°C /+50°C |
| Housing | IP20 |
| Weight | 190 g |
| Dimensions | 86/52,5/58 mm (H/W/D) |
| LED indication: | Green: Power on Red + moist: Moisture detected Red + temp.: Temp. below setpoint Red + relay: Output on |



Technical details

ETR-2 Easy startup:

Adjust the temperature and the afterrun time. The thermostat is now working when the outdoor temperature is below the set temperature.

Suitable sensors for outdoor surfaces:

ETOG-56

The ETOG sensor is designed for embedding in the surface of the outdoor area. ETOG sensors measure ground temperature and moisture.



ETF-744/99

The ETF-744/99 sensor can be used for measuring rapid temperature drops.



Suitable sensors for gutters:

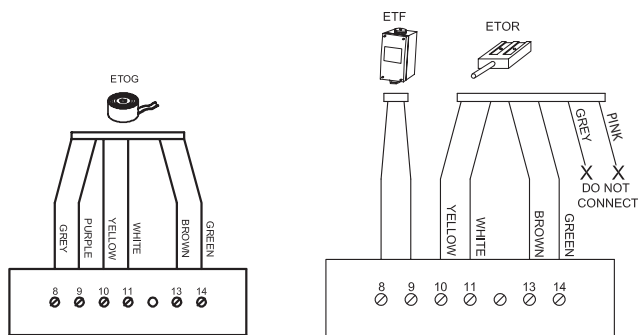
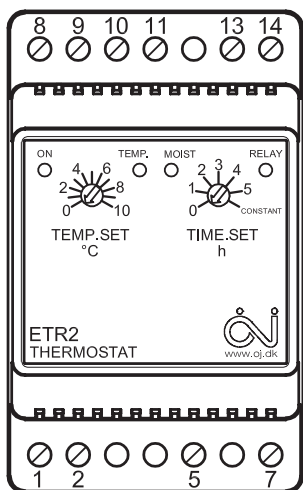
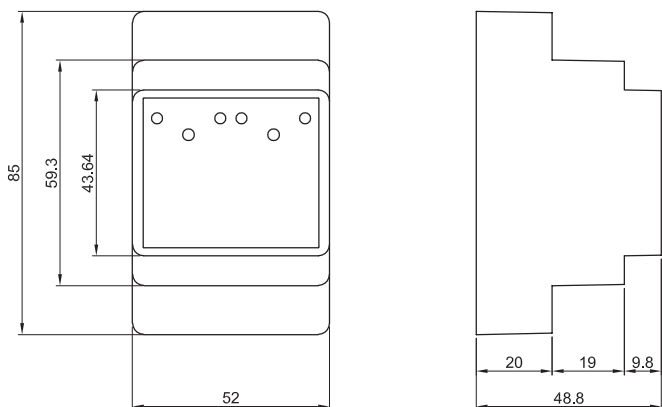
ETOR-55

The ETOR sensor is designed for installation in gutters, downpipes, etc. ETOR sensors detect moisture.



ETF-744/99

The ETF-744/99 sensor can be used for measuring rapid temperature drops.



| Art.nr. | Description | Volt |
|---------|---|------|
| 900056 | MAGNUM Thermostat ETR-2 DIN-rail temp./moisture 1x16A | 230V |