

REGULATED CONDITIONS

FULLY AUTOMATIC CONTROLS SAVE OPERATING COSTS

A safe function and at the same time saving operating costs is guaranteed by fully automatic monitoring. Digital ice and snow detectors with one or two combined humidity and temperature sensors have the task of detecting ice formation and snowfall at an early stage and preventing ice formation by switching on the heating in good time, preventing snow from building up and ice formation. The sensor detects the current temperature and the beginning of the snowfall. To switch on the heating, the temperature must fall below the set temperature and simultaneously exceed the set humidity. Energy savings compared to thermostatically controlled systems can even be up to 70 %. This ensures economical operation of the system. This is because the heating is only switched on when there is an actual risk of precipitation and a temperature of below + 3 °C*.

- + Heating ON only with humidity and a surface temperature of less than + 3 °C*
- + Heating OFF in the dry cold weather
- + Heating OFF at humidity but too high temperature

Based on an open space heating from a size of 50 m², a fully automatic control system pays for itself within a short time compared to a temperature-controlled control system.

* 3 °C is an example value. The temperature range can be set from 0 °C - 6 °C.

ETHERMA TIP:

- > Up to 50 m² in the private areas:
ET-8352KF open area control
- > From 50 m² and in public areas:
ET-8352F open area control with up to 4 sensors

TECHNICAL DATA



- > Voltage: 230 V, 50/60 Hz
- > Relay output: 16 A
- > Installation: On standard rail
- > Dimensions: 106 x 90 x 59 mm
- > Sensor lengths: 15 m/4 m (temperature)
- > Post-heating override timer
- > Alarm signal in case of sensor malfunction
- > Certification: EC compliant

SENSOR POSITIONING

1. Ice- and snow sensor
On a heated part of the surface to determine humidity and temperature.
2. Temperature sensor
Positioning on North side to determine exterior temperature.

APPLICATION AREA

Open space heating up to approx. 50 m² as well as roof top heating.

ET-8352KF

Open area control system for small plants and roof areas



USE

Fully automatic temperature control of open space heating systems (heating of stairways, ramps and streets) and roof areas, for the installation of junctions on norm supporting rails, LCD display of current values: Temperature, Humidity, Operation, Fault status, Adjustable re-heat function, Alarm output for sensor malfunction

Open space control system ET-8352KF, 230 V

RG: 007 | DT: ex stock

Type	Art. no.	Description	Price €
ET-8352KF	37482	Fully-automatic control system incl. sensors for small surfaces	683.70
ET-33001	37484	Ice- and snow sensor, 15 m	298.00
ET-33002	37485	Humidity and temperature sensor, 15 m	284.90
ET-33004	37487	Temperature sensor, 4 m	33.40
ET-8352KF-BE	40088	Fully-automatic control system incl. sensors (cable outlet on underside) and sensor housing	1084.80