THERMOBILE®

Thermobile Control Module

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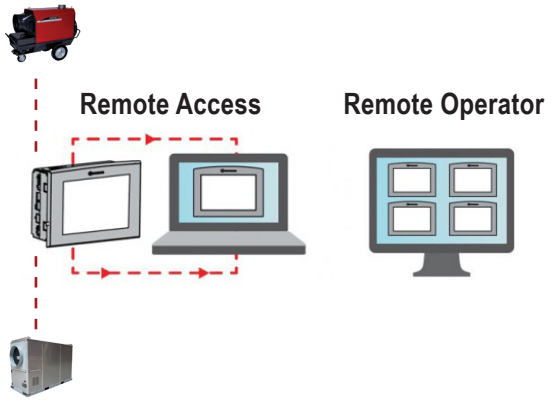


ADVANTAGES

- Central control of multiple heaters
- Flexible use of temperature sensors; one sensor per heater or one sensor for multiple heaters
- Possibility of different day and night modes, resulting in substantial fuel savings
- Bandwidth can be used flexibly
- Central fault can be read out centrally on each unit, with a maximum of 6 different fault indications. This saves a lot of time in determining and resolving possible problems on site
- Option to regulate based on a temperature sensor or thermostat
- Possibility to expand with remote monitoring using a GSM module

THERMOBILE CONTROL MODULE

This is a control system that allows a maximum of 20 IMA and/or IMAC heaters to be operated and adjusted from 1 point.

HEATER CONTROL UNIT

A small Siemens CPU is factory-installed in the heaters.
This is equipped with:

- 6 digital inputs into which signals from the heater can be read.
- 4 digital outputs 24VDC/2A for controlling the heater,
- 1x 0-10V analogue input. The temperature sensor can be connected to this with a 0-10V output.

This CPU contains a PID control and can regulate the temperature of the heater. The setpoints can then be defined for each heater or from the central control unit.

The communication with the central control takes place via Industrial Ethernet. The modules for the heaters have 2 Ethernet connections and can be looped through in this way. The power supply of the modules comes from the heater, so only a single Ethernet cable needs to be installed between the heaters and the central control unit.

On the IMAs, this module is located in a separate switch cabinet at the back of the heaters. On the IMAC, it can be installed in the existing switch cabinet.

CENTRAL CONTROL UNIT

The heaters are connected to the central control unit by means of an Ethernet cable.

On the central control unit, the following functions can be performed/read per heater.

- switch on/off
- read out current temperature
- status off/active or fault
- switch on ventilation mode

A flexible configuration has been programmed to make the control flexible. Heaters can be added or removed without using a programmer.

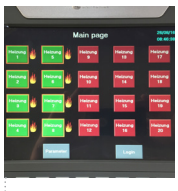
We have a system with a 15” screen to which up to 20 heaters can be connected and a system with a 10” screen to which up to 10 heaters can be connected.

The central control unit can also be connected to a PC or laptop.

Using a GSM module, the central control unit can also be operated remotely via a computer or smartphone.

Control unit

Control unit



Central control unit

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