

Digital chronothermostats

MITHOS RF

DIMENSIONS (mm)

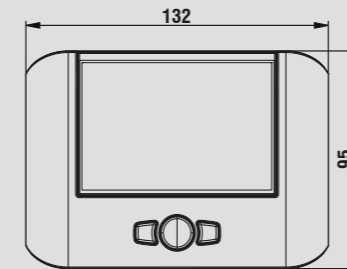
WIRING DIAGRAM

Electronic chronothermostats with radiofrequency module, weekly programming and wall-mounting, designed to control the ambient temperature both in heating (winter) and in cooling (summer). The activation of the boiler (or of the air conditioner) occurs through a remote actuator, controlled by the Mithos RF by sending a radiofrequency signal. This solution guarantees a high installation flexibility, especially on already existing systems, because wiring and masonry work are not required.

- 1 Plastic base for wall-mounting or to cover the in-built 3 modules box
- 2 Wide backlit display to view the measured temperature and the set programming
- 3 Keypad hidden behind the front panel
- 3 Integrated radiofrequency module for sending control signals to the remote actuators



Front view



Side view



Diagram



Example of connection with 1 channel remote actuator

CLIMATE CONTROL

RADIOFREQUENCY WALL-MOUNTING WEEKLY CHRONOTHERMOSTATS

- Automatic programming on a weekly basis with 3 temperature levels T1, T2, T3
- On/off temperature regulation type (with adjustable differential), proportional or tP (with opening modulation for coupling with ThermoPro RF thermostatic valves)
- Antifreeze temperature to prevent system freezing when the device is switched off
- Timing function: allows you to extend the current operation for the specified period (hours or days), after which the device changes operation from automatic to off, from manual to automatic, from off to on (manual or automatic)
- Delay function (settable for each hour independently): allows to adjust the temperature for the first 15, 30 or 45 minutes of the current time based on the temperature level set for the previous hour
- Automatic summer/winter time change and vice versa
- Keypad lock with password to prevent changes by unauthorized persons
- Compatibility with all Vemer radiofrequency remote actuators
- Classification according to point 6 of the Communication 2014 /C 207/02 of the European Commission: class IV

One zone control (Set Mithos RF)



More zones control*



| Code | Model | Description | Colour | Power supply |
|----------|----------------------|--|--------|--------------|
| VE427100 | Mithos RF Bianco | Radiofrequency chronothermostat* | White | Battery |
| VE425500 | Mithos RF Nero | Radiofrequency chronothermostat* | Black | Battery |
| VE428900 | Set Mithos RF Bianco | Set composed by Mithos RF Bianco and RX.16A actuator | White | Battery |
| VE426300 | Set Mithos RF Nero | Set composed by Mithos RF Nero and RX.16A actuator | Black | Battery |

* The activation of the load can occur with one or more radiofrequency remote actuators of Vemer range (see accessories)

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

| | | |
|-------------------------------|------------------------|---------------|
| Power supply | 1 x 1.5 V battery (AA) | |
| Battery life | months | 24 |
| Charge reserve | min | 1 |
| Mounting | Wall / Box 503 | |
| Programming | weekly | |
| Operating mode | summer / winter | |
| Transmission frequency | MHz | 433.92 |
| Temperature regulation range: | | |
| | Automatic °C | +2 ÷ +35 |
| | Manual °C | +2 ÷ +35 |
| | Antifreeze °C | OFF, +1 ÷ +10 |
| Temperature measurement | °C | 0 ÷ +50 |

| | | |
|--|------------------------|-------------------------|
| Measurement precision | °C | 0.5 |
| Temperature resolution | °C | 0.1 |
| Programming resolution | h | 1 |
| Gap between two temperature measurements | s | 20 |
| Regulation type | ON-OFF or proportional | |
| Adjustable differential (in OFF-ON) | °C | 0.1 ÷ 1 |
| Protection degree | IP | XXD |
| Operating temperature | °C | 0 ÷ +50 |
| Storage temperature | °C | -20 ÷ +65 |
| Relative humidity | HR | 20 ÷ 90% non condensing |

REFERENCE STANDARDS

Compliance with Community Directives: 2014/53/EU (RED) • 2014/35/EU (LVD) • 2014/30/EU (EMCD) is declared with reference to the following standards: EN 300 220-1 • EN 300 220-2 • EN 300 220-3 • EN 301 489-1 • EN 301 489-3 • EN 60730-1