

# Digital chronothermostats

## MITHOS RF

### DIMENSIONS (mm)

### WIRING DIAGRAM

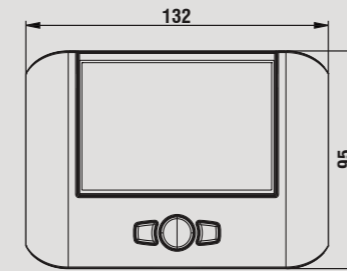
Electronic chronothermostats with radiofrequency module, weekly programming and wall-mounting, designed to control the ambient temperature both in heating (winter) and in cooling (summer). The activation of the boiler (or of the air conditioner) occurs through a remote actuator, controlled by the Mithos 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

## 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

## CLIMATE CONTROL