Терморегуляция CLIMAV 2.0

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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06 CLIMAV 2.0 BUILDING MANAGEMENT THERMOREGULATION

INTRODUCTION

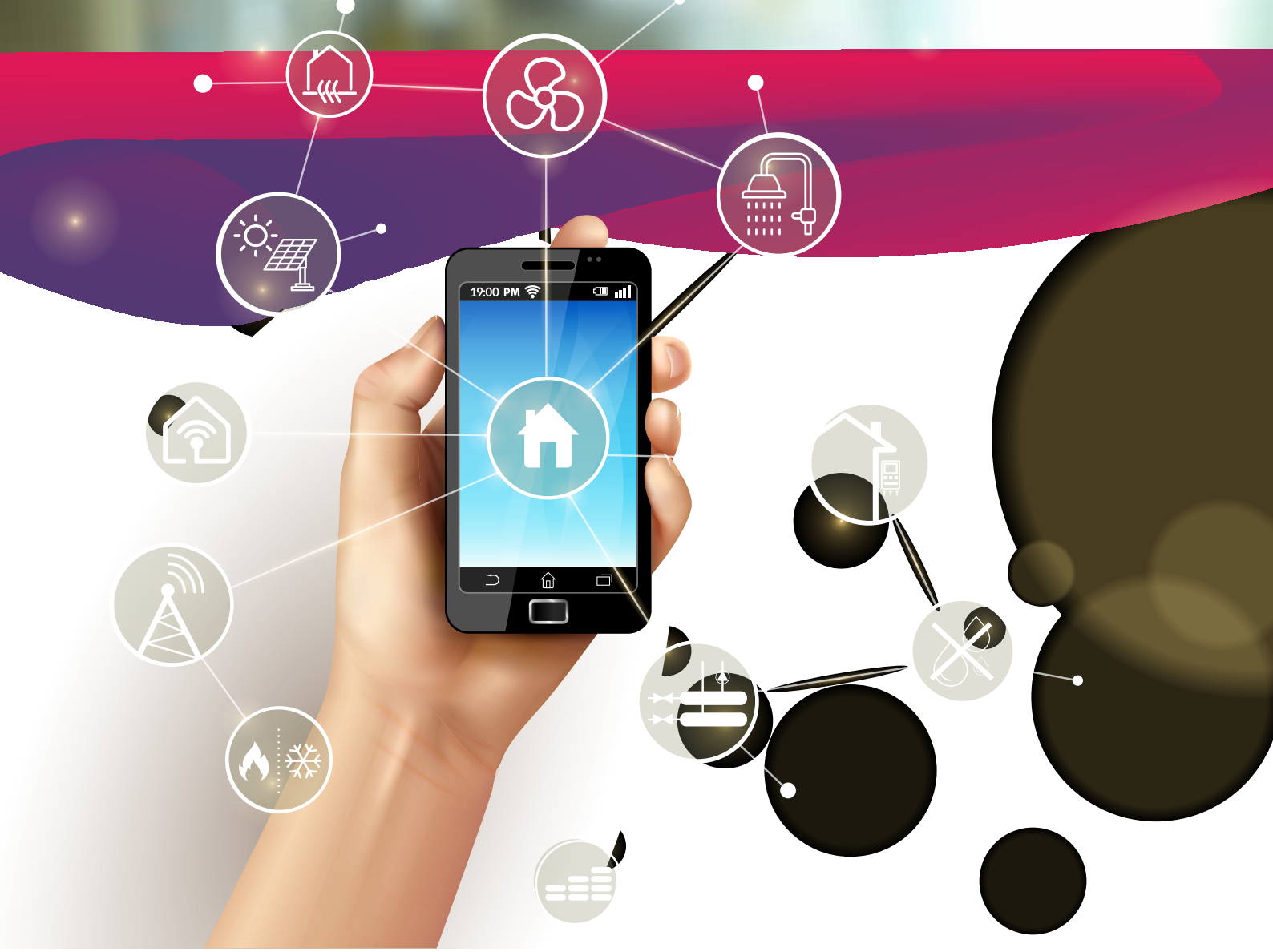
The Climav 2.0 Building Management system is designed for systems of all types and sizes, whether they work in heating or cooling or with the regulation of different delivery temperatures.
The temperature and humidity environment probes communicate with the control unit via bus or Wi-Fi and are able to detect at any time the different climate changes, self-regulating according to the required temperatures.

HOW IT WORKS

The Climav 2.0 Building Management system is particularly suitable for the management of underfloor and/or ceiling radiant systems in winter and summer operation, ensuring the comfort required by the user in combination with significant energy savings. The high modularity of the regulation system allows the control of different types of building from small residential to tertiary, integrating the necessary energy supply with the management of renewable energy sources and making available the control of different environmental parameters (temperature, relative humidity, etc.) through controlled mechanical ventilation systems.

The thermoregulation system by TIEMME has a number of special features:

- **Easy installation**: the bus connections of the various components of the system are simple and not subordinate to particular logical sequences. This implies a significant reduction in cabling time and where it is not possible to wire probes and modules is available the new Wi-Fi version of the Climav 2.0 Building Management system.
- **Modularity**: the possibility to expand the regulation system allows to adapt it to the specific needs of the plant and to update it to future configurations.
- **Versatility**: the availability of different types of regulation allows the use of the system in a wide variety of buildings while ensuring safety in the management of different plant parameters.
- **Communication**: the management via WEB ensures the use of the system remotely allowing the control, diagnostics, and storage of the system data from remote both user and technical maintenance.
- Visibility: the system has a wide range of temperature and temperature/ humidity probes for recessed or outdoor installation all **interfaced** with thermostats environment of different production



WHAT MAKES IT UNIQUE

INTUITIVE TOUCH INTERFACE
The bright colour display allows you to manage in real time, environment by environment, all the features of the system. Just tap the large touchscreen to see the intuitive GUI and start interacting with the system.

CHRONO-PROGRAMMING
The system integrates perfectly with everyone's personal habits. Each room can have its own custom programming for managing parameters and time slots.

MODULARITY
The system adapts perfectly to the specific needs of the house while maintaining the freedom of future expansions in the event of new configurations. Climav 2.0 Building Management is the first system that communicates with the KNX and MODBUS protocol via interface

KNX Modbus®

UNIQUENESS
The quality of Climav 2.0 Building Management is unmatched compared to more traditional regulations such as fixed point or traditional climate. Climav 2.0 Building Management allows you to manage all aspects of air conditioning: heating, cooling, humidity management, ventilation control for air exchange. A superior comfort that has its roots in the correct use of energy and in the optimization of energy and economic expenditure.

MONITORING OF CONSUMPTION
It allows to constantly track the energy consumption of the installed generators allowing to identify any critical factors and allow an improvement.

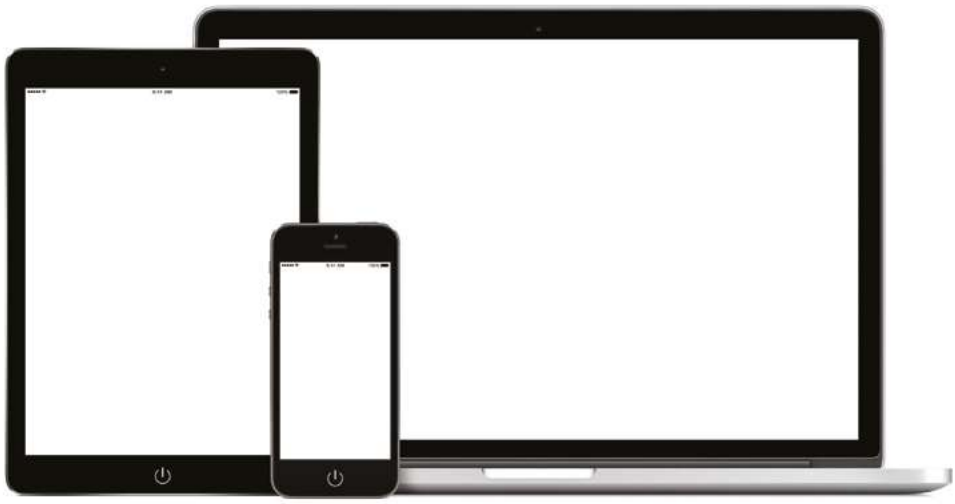
06A ADVANCED THERMOREGULATION WITH CLIMAV 2.0 BUILDING MANAGEMENT

APP TO MANAGE YOUR HOME

View and adjust in real time, environment by environment, home well-being, sitting in the car or office simply by touching the display of your smartphone. All this is possible thanks to an app developed by Tiemme for its Climav 2.0 Building Management control system.

APP TO MANAGE YOUR HOME

APP AVAILABLE FOR BOTH ANDROID AND IOS



BASE SYSTEM

Example of small house managed in heating with climate compensation.
The BASE SYSTEM system realized using climate regulator RC_SA art. 5530M5 - 5530M6, allows to manage:

- 1 mixing unit with analog or 3-point servo motor;
- delivery temperature compensation with external probe and internal sensor;
- 1 thermal zone (ambient temperature probe).

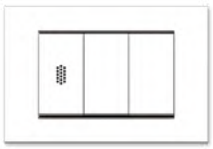
1. Boiler
2. External probe
3. Radiant plant manifold complete with mixing unit
4. Ambient temperature probe

COMPONENTS OF THE SYSTEM

RC_SA
5530M5
5530M6
Climate regulator

T_EXT
5530E
External probe

5530P
Fluid temperature probe



T_P
5530I9
Ambient temperature probe

EVO SYSTEM 1

Example of apartment managed in heating.
The EVO SYSTEM 1 system realized using master module MHC BASIC art. 5530M8, allows to manage:

- 1 heat generator operated in hot only;
- 1 distribution unit with mixing;
- 6 thermal zones (temperature probes);
- External probe;
- Delivery probe.

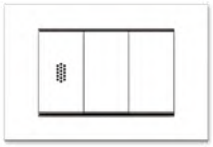
1. Radiant plant manifold complete with mixing unit
2. Ambient temperature probe
3. External probe
4. Boiler

COMPONENTS OF THE SYSTEM

MHC BASIC
5530M8
Master module

T_EXT
5530E
External probe

5530P
Fluid temperature probe



T_P
5530I9
Ambient temperature probe

CLIMAV 6000
5530V
Display

MPW22COM
5530M2COM
Power supply

The connection between the modules is made with a RS485 serial line.

EVO SYSTEM 2

Example of apartment managed in heating/cooling with climate compensation and relative humidity control by dehumidifier.
The EVO SYSTEM 2 system realized using master module MHC art. 5530M1 (or 5530MHCW), allows to manage:

- 2 heat generators operated in hot only or cold only;
- Distribution units with mixing;
- 8 thermal zones (temperature/humidity probes);
- External probe.
- Delivery probe.

1. Radiant plant manifold complete with mixing unit
2. Ambient temperature and relative humidity probe
3. Dehumidifier
4. External probe
5. Boiler + heat pump
6. Ambient temperature probe

ELEMENTS THAT MAKE UP THE WIRED SYSTEM

MHC
5530M1
Master module MHC

T_EXT
5530E
External probe

5530P
Fluid temperature probe

T_P - TH_P
5530I9 - 5530I10
Ambient temperature and room temperature/ relative humidity probe

CLIMAV 6000
5530V
Display

MPW22COM
5530M2COM
Power supply

ELEMENTS THAT MAKE UP THE WI-FI SYSTEM

MHCW
5530MHCW
Master module MHCW

T_EXT
5530E
External probe

5530P
Fluid temperature probe

TH_W
5530E3W
Wi-Fi ambient temperature and relative humidity

CLIMAV 6000W
5530W
Display

MPW22COM
5530M2COM
Power supply

The connection between the modules is made with a RS485 serial line.

EVO SYSTEM 3

Example of apartment managed in heating/cooling with climate compensation, relative humidity control by dehumidifier and controlled mechanical ventilation (CMV). The EVO SYSTEM 3 system realized using master module MHC art. 5530M1 (or 5530MHCW), allows to manage:

- 2 heat generators operated in hot only or cold only;
- Distribution units with mixing;
- 8 thermal zones (temperature/humidity probes);
- External probe;
- Delivery probe;
- SFDC slave module management (CMV control).

1. Radiant plant manifold complete with mixing unit
2. Ambient temperature and relative humidity probe
3. Dehumidifier
4. CMV (SFDC module)
5. External probe
6. Boiler + heat pump
7. Ambient temperature probe

The connection between the modules is made with a RS485 serial line.

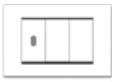
ELEMENTS THAT MAKE UP THE WIRED SYSTEM

MHC
5530M1
Master module MHC

SFDC
5530S7
CMV management slave module

T_EXT
5530E
External probe

5530P
Fluid temperature probe



T_P - TH_P
5530I9 - 5530I10
Ambient temperature and room temperature/ relative humidity probe

CLIMAV 6000
5530V
Display

MPW22COM
5530M2COM
Power supply

ELEMENTS THAT MAKE UP THE WI-FI SYSTEM

MHCW
5530MHCW
Master module MHCW

SFDC
5530S7
CMV management slave module

T_EXT
5530E
External probe

5530P
Fluid temperature probe

TH_W
5530E3W
Wi-Fi ambient temperature and relative humidity

CLIMAV 6000W
5530W
Display

MPW22COM
5530M2COM
Power supply

CLIMAV 6000W - WI-FI DISPLAY

NEW

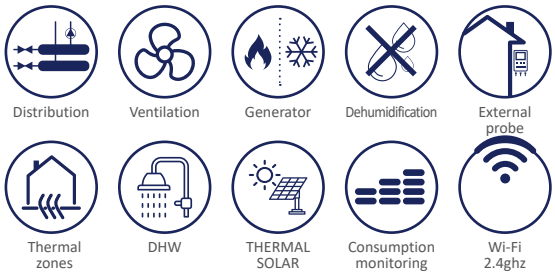
5530W

CLIMAV 6000W is the capacitive touchscreen display that represents true innovation in building management.

Connected to the MHCW master unit allows the user to fully control the entire thermoregulation system.

The minimalist aesthetic based on timeless linear shapes makes the design adaptable to any residential or work environment.

The 16:9 4.3'' display makes it possible to intuitively exploit the many potential of a smart system. CLIMAV 6000 is equipped with an internal clock and a mini-USB port for software updates. Available in white colour.



TECHNICAL CHARACTERISTICS

- Voltage: 12-24 Vac / Vdc
- Power consumption: 4 VA
- Internal fuse: 5 A delayed
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on the wall
- Display: 4.3'' TFT 16:9 colour graphic display
- Programming: touchscreen
- Dimensions (LxHxP): 122 x 88 x 18 mm
- Integrated Wi-Fi communication module – 2,4GHz
- Release automatic updates

Code	Colour	Type	Price €	Unit/Box
555 0353	☐ White	Wi-Fi		1/1

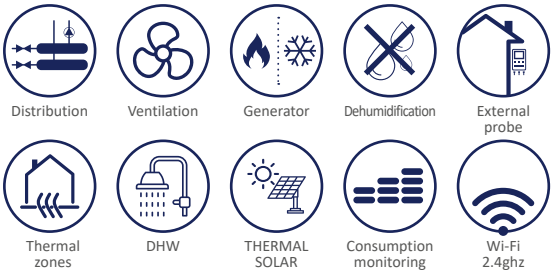
MHCW - WI-FI MASTER MODULE

NEW

5530MHCW

Master MHCW Wi-Fi module, 2.4ghz, to be used in the Climav 2.0 Building Management thermoregulation system in combination with the CLIMAV 6000 Wi-Fi display.

The MHCW module is the main element of the system, equipped with a small only display alphanumeric display, programming keypad and three LEDs (blue-yellow-green) reporting the status of the device. This device can be set as: Master MHC, or Slave module. Depending on its configuration it will be able to manage: generators, pumping stations/mixing units, thermal zones, air treatment systems, solar system, DHW systems.



TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Integrated Wi-Fi communication module - 2.4GHz
- Display: alphanumeric, 12x2 rows, 3 leds (blue, yellow, green), 3 buttons
- Inputs:
  - 14 Inputs configurable according to the module set
- Outputs:
  - 16 relays configurable according to the module set
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

To be connected to the CLIMAV 6000W

Code	Type	Price €	Unit/Box
555 0357	Wi-Fi		1/4

CLIMAV 6000 - DISPLAY

5530V

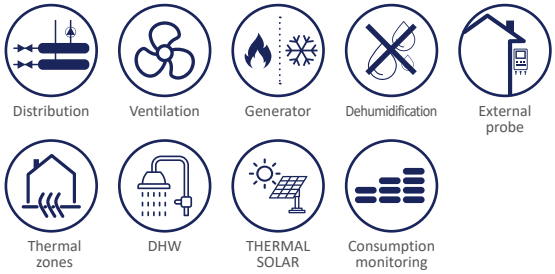
CLIMAV 6000 is the resistive touchscreen display that represents true innovation in building management.

Connected to the master unit (MHC or MHC BASIC) allows the user complete control of the entire thermoregulation system.

The minimalist aesthetic based on timeless linear shapes makes the design adaptable to any residential or work environment.

The 16:9 4.3" display allows you to intuitively exploit the many potential of a smart system. CLIMAV 6000 is equipped with an internal clock and a mini-USB port for

the software updates. Available in white or black.



TECHNICAL CHARACTERISTICS

- Voltage: 12-24 Vac / Vdc
- Power consumption: 4 VA
- Internal fuse: 5 A delayed
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on the wall
- Display: TFT 4.1" graphic colour display
- Programming: touchscreen
- Dimensions (LxHxP): 122 x 88 x 18 mm

Code	Colour	Type	Price €	Unit/Box
555 0101	☐ White	Wired		1/1
555 0336	■ Black	Wired		1/1

MHC BASIC - MASTER MODULE

5530M8

MHC BASIC master module for system control. The module can handle 6 thermal zones (Temperature and Temperature/ Humidity), 1 energy source, 1 mixing unit with analog actuator and a dehumidifier (to replace a thermal zone).

TECHNICAL CHARACTERISTICS

- Voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs:
  - 6 inputs for T and T+H environment sensors
  - 2 inputs (NTC) for external probe (T_EXT) and delivery probe (5530P)
- Outputs:
  - 6 relays (1 per zone) for the management of electro-thermal servo control (in case a servo control can be replaced by a dehumidifier)
  - 1 0-10 V or 4-20 mA control (can be set via software) to control the mixing system.
  - 1 relay for activation/deactivation of circulators
  - 1 relay for the activation/deactivation of the energy generator (only hot or only cold)
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

To be connected to the CLIMAV 6000.

Code	Type	Price €	Unit/Box
555 0344	-		1/4

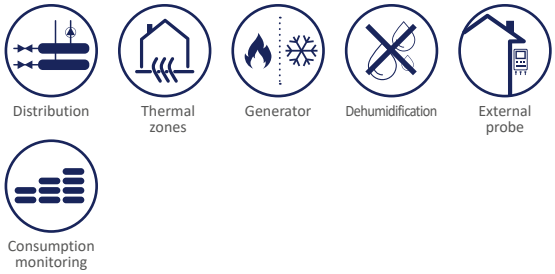
MHC - MASTER MODULE

5530M1

Master MHC module to be used in the Climav 2.0 Building Management thermoregulation system in combination with the CLIMAV 6000.

The MHC module is one of the main elements of the system and is equipped with a small graphic display only display and three LEDs showing the operating status of the device.

The module allows the management of 8 thermal zones/ dehumidifiers, 4 distribution/mixing groups with analog actuator and 2 energy generators (only hot or only cold). You can then expand the functions managed by connecting additional slave modules via bus.



TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Display:Graphic display, 16x2 rows, 3 leds (red, yellow, green), 3 buttons
- Inputs:
  - 8 inputs for T and T+H environment sensors
  - 2 inputs (NTC) for external probe (T_EXT) and delivery probe (5530P)
  - 1 digital input for season switching (summer/winter)
  - 3 impulse inputs for consumption monitoring
- Outputs:
  - 8 relays (1 per zone) for the management of electro-thermal servo controls
  - 4 0-10 V or 4-20 mA controls (can be set via software) to control the mixing system
  - 4 relay for activation/deactivation of circulators
  - 2 relays for the activation/deactivation of the energy generators (only hot or only cold or both)
  - 1 relay for season change reporting
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

Code	Colour	Type	Price €	Unit/Box
555 0106	-	Wired		1/1

SFDC - SLAVE MODULE

5530S7

The SFDC slave module allows the control of 2 fan coils (if no electronics on board) or a complete Mechanically Controlled ventilation unit (MCV) (dehumidification, renewal, integration).

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs:
  - 1 request renewal bathrooms (clean contact)
  - 1 unit fault (clean contact)
- Outputs:
  - 1 summer/winter switching relay
  - 1 dehumidification required relay
  - 1 renewal required relay
  - 1 bathrooms renewal required relay (clean contact)
  - 1 on/off unit relay
  - 1 integration required relay
  - 1 ventilation required relay
  - 1 battery valve modulation
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For the management of the MCV

Code	Type	Price €	Unit/Box
555 0119	-		1/4

SZC - SLAVE MODULE

5530S4

The SZC slave module expands and integrates the basic functions of the MHC master module allowing the management of 8 additional thermal zones. In particular, it allows the connection of 8 additional Temperature and/or Temperature/Humidity probes and the consequent control of the electro-thermal servo controls.

Thermal zones | Dehumidification

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- 8 inputs for T and T+H environment sensors
- 8 Outputs relays (1 per zone) for the management of electro-thermal servo controls
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

8 thermal zones for expansion

Code	Type	Price €	Unit/Box
555 0116	-		1/4

SBC - SLAVE MODULE

5530S5

The SBC slave module expands and integrates the basic functions of the MHC master module allowing the management of 3 additional thermal generators/refrigerators. In particular, it can manage their activation/deactivation, the priority of operation, their set-point and any alarms.

Generator

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs
  - 3 generators activators inputs
  - 3 generator alarms inputs (clean contact)
  - 6 inputs (NTC) for generator supply/return probes
- Outputs:
  - 3 generator activation command relay
  - 3 switching generators relay
  - 2 setpoint generators activation outputs
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For up to 3 thermal generators/*refrigerators*

Code	Type	Price €	Unit/Box
555 0117	-		1/4

SSCC - SLAVE MODULE

5530S6

The SSCC slave module expands and integrates the basic functions of the MHC master module allowing the management of the thermal solar system. In particular, it allows the programming of 8 different schemes, the management of the plant protections, the management of accumulations and circulation pumps.

Thermal solar

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs:
  - 4 motorized end stroke valves
  - 2 thermal solar circulation pumps thermal protection inputs
  - 9 temperature probes inputs (PT1000)
- Outputs:
  - 4 control relays for motorized valves
  - 2 control relays for solar circulation pumps
  - 2 analog controls for solar circulation pumps
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For the management of the thermal solar system

Code	Type	Price €	Unit/Box
555 0118	-		1/4

SMC - SLAVE MODULE

5530S1

The SMC slave module expands and integrates the basic functions of the MHC master module allowing the management of 4 additional analog mixers. In particular it manages their command (0-10 Vdc or 4-20 mA), set-point temperatures and their circulation pumps.

Distribution

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs:
  - 4 inlet for circulation pumps (clean contact)
  - 4 inputs for flow temperature probes (NTC)
- Outputs:
  - 4 activation/deactivation relays for circulation pumps
  - 4 analog controls (0-10 V or 4-24 mA) for the modulation of mixers
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For expansion no. 4 mixers with analog actuator

Code	Type	Price €	Unit/Box
555 0114	-		1/4

SMRC - SLAVE MODULE

5530S2

The SMRC slave module expands and integrates the basic functions of the MHC master module allowing, through the programming of the 8 internal relays, the management of 4 mixing groups with 3-point actuator or 2 twin circulators.

Distribution

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Outputs: 8 relays for opening/closing of 3-points mixers or 8 relays for the ON/OFF control of 2 twin pumps
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For the management of 4 mixers with 3-point actuator or twin circulators

Code	Type	Price €	Unit/Box
555 0154	-		1/4

SDHW - SLAVE MODULE

5530S3

The SACS slave module expands and integrates the basic functions of the MHC master module allowing the management of the domestic hot water (DHW) storage system. In particular, it manages the temperature and safety of the accumulation, the delivery temperature of the DHW, the recirculation, the anti-legionella cycle and any integration by means of electrical resistance.

DHW

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Relay contacts range: 6 A 250Vac
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (6 modules)
- Inputs:
  - 1 DHW tank safety thermostat input (clean contact)
  - 1 recirculation pump heat protection inlet
  - 1 resistance thermal protection input
  - 4 inputs (NTC) for accumulation probes (upper andlower) of delivery and return
  - 1 input (NTC) to manage generator priority
- Outputs:
  - 1 recirculation pump activation relay
  - 2 relays to activate electrical resistances
  - 1 cycle anti-legionella active warning output
  - 2 3-points mixer control relay
  - 1 control output for DHW mixer
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For DHW production plant management

Code	Type	Price €	Unit/Box
555 0115	-		1/4

SKNX - SLAVE MODULE

5530S10

The Domotics SKNX bus adapter allows interfacing with the most common communication protocols in the home automation environment. The SKNX module allows interaction between the various subsystems of the building by operating on KONNEX bus networks. To be combined with the GATEWAY module.

Domotics KNX

TECHNICAL CHARACTERISTICS

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (2 modules)
- Ports:
  - RS232 standard for interface with GATEWAY module
  - KNX bus connector (signal + power supply)

To communicate with Konnex networks

Code	Type	Price €	Unit/Box
555 0320	-		1/10

GATEWAY - SLAVE MODULE

5530S11

The GATEWAY slave module allows the remote management of the entire advanced thermoregulation system Climav 2.0 Building Management by means of the APP (available for Android and IOS).

It is also indispensable for interfacing with external systems based on MODBUS and, in combination with the SKNX module, on KONNEX systems. In combination filter for LAN networks complete with grounding.

Control by remote

Domotics KNX

Modbus®

TECHNICAL CHARACTERISTICS

Gateway

- Input voltage: 12-24 Vac / Vdc
- Power consumption: 7 VA
- Protection category: IP40
- Protection class: II
- Operating Ambient Temperature: 0 ÷ 40 °C
- Operating Ambient Relative Humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Casing: ABS plastic
- Installation: on DIN rail (2 modules)
- Ports:

- WiBus on network 485 for CLIMAV interface
- RS232 standard for KNX, MODBUS interface
- Ethernet RJ45 10/100 Mb

LAN filter

- Bidirectional filter with double internal protection to safeguard the Gateway module from voltage inputs from the internet network.
- Grounding cable.

To communicate remotely with the Climav 2.0 Building Management system

Code	Colour	Type	Price €	Unit/Box
555 0346	-	Ethermet		1/1

MPW22COM - POWER SUPPLY

5530M2COM

240vac/24V power supply for the entire Climav 2.0 Building Management thermoregulation system.

TECHNICAL CHARACTERISTICS

- Input voltage: 100 ÷ 240 Vac - 1.8A - 50 ÷ 60 Hz
- Output voltage: 24V
- Output voltage range: 21.6...29V
- Output current: 2.5A
- Power consumption: 60 W
- No load power consumption: <0.3W
- Electronic protections: SCP anti short circuit, OPP overload, OVP over current
- Category of overvoltage: III
- Insulation class: II
- Operating Ambient Temperature: -30 ÷ 70 °C
- Working humidity: 20-90% non-condensing
- Installation: on DIN rail (3 modules)
- Dimensions (LxHxP): 52.5 x 90 x 58.4 mm (4 DIN modules)

Code	Colour	Type	Price €	Unit/Box
555 0338	-	Output 24V		1/1

RC_SA - CLIMATE REGULATOR

5530M5
5530M6

The RC_SA climate regulator allows the regulation of the temperature of the carrier fluid in heating and air conditioning systems, by managing a mixing valve with proportional or three points servo motor.

DESCRIZIONE

The controller allows the following modes of carrier fluid temperature management:

- climate compensation by the installation of an external probe;
- climate compensation by the installation of an external probe and an ambient probe;
- compensation by analysis of the system return temperature (in heating only).

Depending on the devices connected, it is possible to control one or two separate thermal zones and activate a dehumidifier with neutral air.

TECHNICAL CHARACTERISTICS

- Power supply: 85 ÷ 230 Vac 50/60 Hz or 24 Vac
- Power consumption: 5 W
- Protection fuse: 1 A
- Graphic display: 1,8" colour
- Dimensions : no. 6 modules for DIN rail installation
- Programming: 7 buttons keyboard
- Inputs:
  - Thermostats cumulative input
  - Summer-winter remote switching input
  - Remote ON/OFF input
  - Ambient probe system Climav 2.0 Building Management
  - External probe 5530E
  - Delivery probe 5530P
  - Return probe 5530P
- Outputs:
  - 1 ON/OFF contact for circulation pump activation
  - 1 ON/OFF contact for dehumidifier control
  - 1 ON/OFF contact for thermal zone activation
  - 0-10 V for proportional servo motor control
  - 2 ON/OFF contacts for 3-point servo motor control
- Dimensions (LxHxP): 105 x 95 x 60 mm (6 DIN modules)

For the climatic regulation of the system

Code	Power supply	Price €	Unit/Box
Art. 5530M5			
555 0302	85-230 Vac		1/4
Art. 5530M6			
555 0304	24 Vac		1/4

T_EXT

5530E

External temperature and humidity probe.

Used in the Climav 2.0 Building Management thermoregulation system for compensation in climate regulation.

TECHNICAL CHARACTERISTICS

- Resistance: 10Kohm to 25 °C
- Class of protection: II
- Casing: ABS plastic
- Installation: on the wall
- Category of protection: IP54
- Measuring range: -40 ÷ +110 °C
- Outdoor ambient temperature: 15 ÷ 55 °C
- External ambient relative humidity: Up to 85 % at T=25 °C
- Storage Temperature: 0 ÷ 60 °C
- Storage relative humidity: no condensation
- Dimensions : 74 x 109 x 59 mm

Code	Type	Price €	Unit/Box
555 0145	-		1/4

5530P

NTC temperature probe 10KΩ @ 25°C, 6 mm diameter

Code	Type	Price €	Unit/Box
555 0149	-		1/10

TH_G

5530E1
Ambient temperature/humidity probe wall installation

TECHNICAL CHARACTERISTICS
- Dimensions (LxHxP): 120 x 80 x 20 mm

Place in any room and connect to the Climav 2.0 Building Management system.

Code	Colour	Type	Price €	Unit/Box
555 0139	White	Wired		1/4
555 0340	Black	Wired		1/4

T_G

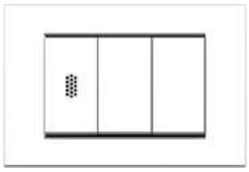
5530E2
Ambient temperature probe wall installation

TECHNICAL CHARACTERISTICS
- Dimensions (LxHxP): 120 x 80 x 20 mm

Place in any room and connect to the Climav 2.0 Building Management system.

Code	Colour	Type	Price €	Unit/Box
555 0140	White	Wired		1/4
555 0342	Black	Wired		1/4

TH_P



5530I10
Built-in temperature/humidity ambient probe.

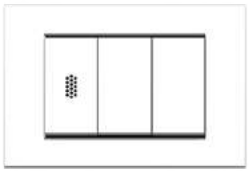
TECHNICAL CHARACTERISTICS
- Made according to the civil series installed

To be placed in box 503. Indicate to Tiemme technician the civil series used (e.g. Vimar Idea, Piana, Bticino Light, Light Tech, etc.) in order to respect the aesthetics of the house.

Place in any room and connect to the Climav 2.0 Building Management system.

Code	Colour	Type	Price €	Unit/Box
555 0329	-	Wired		1/1

T_P



5530I9
Built-in temperature ambient probe.

TECHNICAL CHARACTERISTICS
- Made according to the civil series installed

To be placed in box 503. Indicate to Tiemme technician the civil series used (e.g. Vimar Idea, Piana, Bticino Light, Light Tech, etc.) in order to respect the aesthetics of the house.

Place in any room and connect to the Climav 2.0 Building Management system.

Code	Colour	Type	Price €	Unit/Box
555 0327	-	Wired		1/1

TH_W

NEW

5530E3W

TH temperature and humidity probe, Wi-Fi with LCD with Touch Panel.

Wi-Fi
2.4ghz

TECHNICAL CHARACTERISTICS

- Dimensions (LxHxP): 120 x 80 x 20 mm
- Large colour LCD display (VA) with polished glass
- Touch with high touch sensitivity
- Radar system of presence
- Battery power supply (2xaa)
- Power supply from CLIMAV bus
- General power supply 12/24vdc
- Data connection via 2.4 GHz Wi-Fi
- Data connection via CLIMAV bus

Stand-Alone Probe

Can be integrated with Climav 2.0 Building Management system. and with GATE system

Code	Colour	Type	Price €	Unit/Box
555 0356	Black	Wired/Battery		1/4

По вопросам продаж и поддержки обращайтесь:

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