Control Systems

PRODUCT LIST 2022

RDZ

You Feel, We Care

You Feel, We Care

is our new tagline
and contains a renewed promise:
to work every day
with commitment and passion
while offering **tangible benefits**.

And we do this by developing systems
which are able to ensure
comfort and health
as well as a pleasant living space.

We continue to follow the principles
that have always inspired us:
the use of the **best materials**,
the research for **advanced technologies**,
and a **specialized service** for design,
technical assistance and training.

These are the same reasons
that guided us in
identifying the
perfect comfort system.

In our solution four elements
(surface heating/cooling, air handling,
temperature control, heat pumps)
interact synergistically
to spread in every room
the **ideal living conditions**,
in which our skin can perceive
a unique **feeling of wellbeing**.

CONTROL SYSTEMS

RDZ control systems make it possible to manage and monitor surface heating and cooling in floors, ceiling and walls in a simple and effective way, always obtaining the best comfort conditions in the room and maximum system efficiency.

Consisting of a combination of expandable controllers and temperature/humidity probes, they are complete, modular and versatile. They can also be used with excellent results from a small family home, to a large multizone building complex or even central energy plants, providing temperature control for every single user.

Regulation for systems with independent energy production

The control units for managing room comfort in buildings with independent energy production are expandable and modular regulation systems necessary for the constant control of the operating parameters of the radiant and air handling systems.

WI-SA regulation

MULTIZONE - MULTIPLE MIXERS

Expandable multizone control system, suitable for managing the heating and cooling of radiant systems with independent energy production. In its top configuration it can regulate:
- **64 zones** with temperature/humidity sensor
- **8 mixing valves** (with 0-10V analogue servomotor)
- **8 air handling units** operating in dehumidification + room air recirculation or free-cooling + fresh air ventilation + summer and winter integration, connected via bus
- **64 dehumidifiers** operating in dehumidification + integration
The system allows the management of all the components in the technical room and in the building rooms.

Product	Description	Code	
	Central units		
	WI-M1.SA *Central unit to manage autonomous surface heating and cooling systems. It controls:* *· 1 mixing valve (with 0-10 V servomotor) + 1 mixing valve by using Wi-Mix (with 0-10 V servomotor)* *· Up to 16 temperature / humidity sensors* *· Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* *· the circulation pump of the radiant system* *· the circulation pump of the air handling units* *· heat pump/boiler/chiller* *In case of additional mixing valves, room sensors or air handling units, it is necessary to use Wi-S modules.* *Installation into 6-module DIN rail – Power Supply 24Vac.*	6610012	
	TM SUPPLY WATER SENSOR *Supply water temperature sensor. Mandatory component per each mixing valve.*	3601023	
	OUTDOOR SENSOR *External temperature detection sensor.*	7301055	
	Components for configuration expansion		
	WI-S *Expansion unit with Bus connection. It controls:* *· 1 mixing valve (with 0-10 V servomotor) + 1 mixing valve by using Wi-Mix (with 0-10 V servomotor)* *· Up to 16 temperature / humidity sensors* *· Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* *Installation into 6-module DIN rail – Power Supply 24Vac.*		
	Wi-S2	6610021	
	Wi-S3	6610031	
	Wi-S4	6610041	
	WI-MIX *This device is used to control the second mixing valve in each of the following control unit: Wi-M1.xx / Wi-S2 / Wi-S3 / Wi-S4.* *Installation into 2-module DIN rail – Power Supply 24Vac.*	6610150	

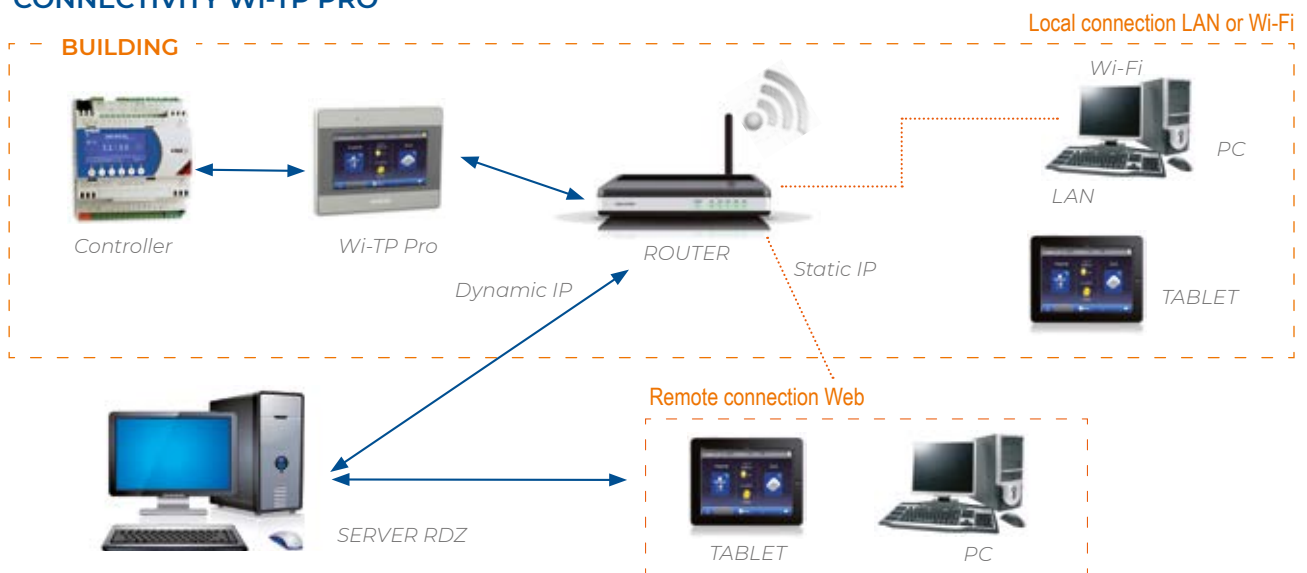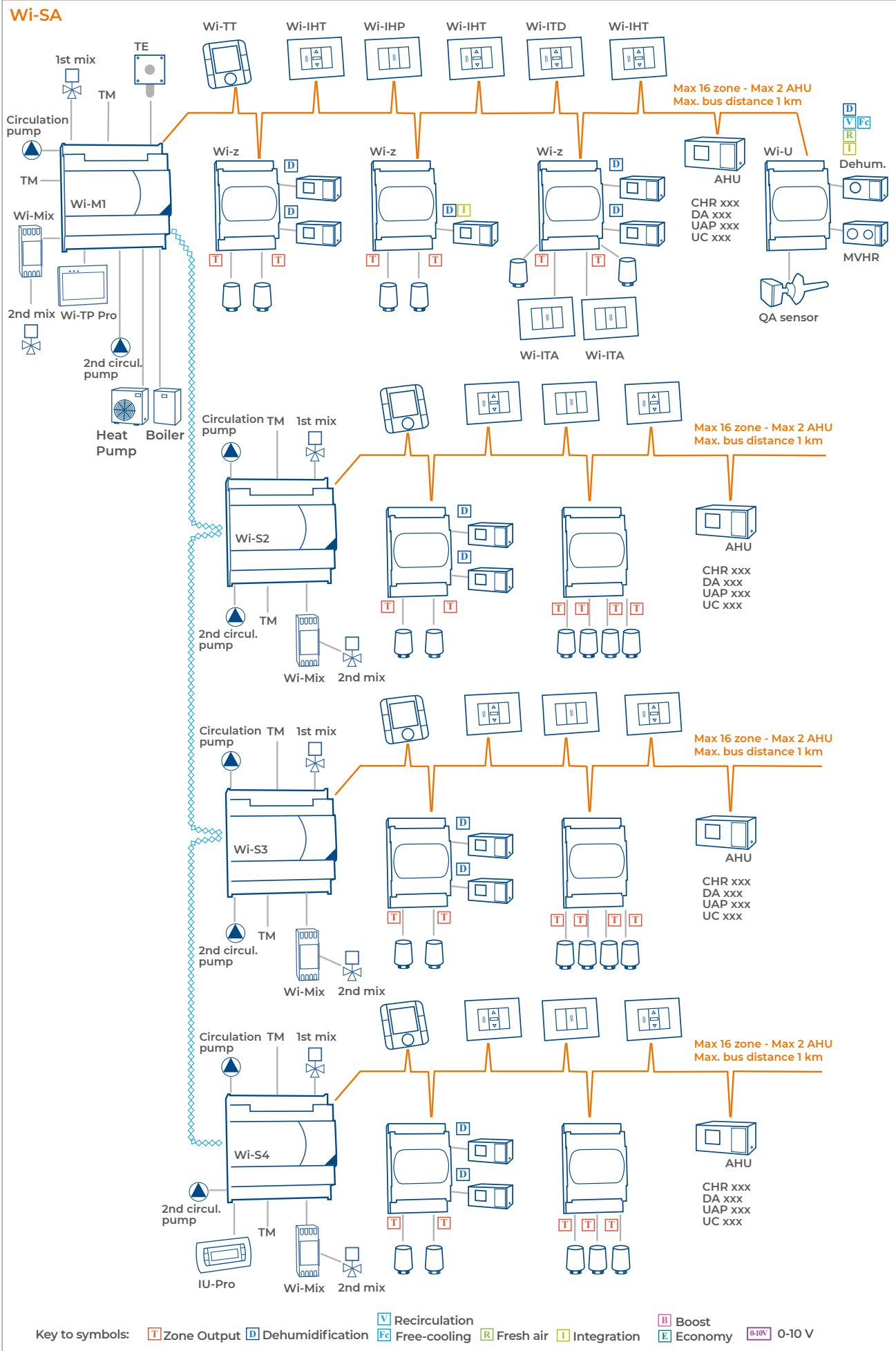| Product	Description	Code	
	WI-Z *Expansion unit to connect zone actuators and/or input from the dehumidifiers.* *Possible configurations:* *· 4 temperature/humidity sensors (Bus connection)* *· 2 temperature/humidity sensors + 2 dehumidifier outputs* *· 2 temperature/humidity sensors + 1 dehumidifier output + 1 integration output* *· 3 temperature/humidity sensors (Bus connection) + 1 dehumidifier output* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6610110*	
	WI-U *Expansion device to control air handling units without Bus connection.* *It controls dehumidification - fresh air ventilation - free cooling / air recirculation - integration.* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6610120*	
	Wi room sensors		
	WI-IHT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69001xx*	
	WI-ITD *Temperature sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69004xx*	
	WI-IHP *Temperature / humidity sensor. Bus connection. Power supply 24Vac.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69002xx*	
	WI-ITA *Wired temperature sensor. Direct connection with Wi-Z unit.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69003xx*	

civil series	code	civil series	code	civil series	code
ABB Mylos White	xx=30	Bticino Living White	xx=11	Gewiss Chorus White	xx=22
ABB Mylos Black	xx=31	Bticino Living Black	xx=10	Gewiss Chorus Opaque Black	xx=23
Vimar Plana Silver	xx=01	Bticino Liv. Light - Light AirTech	xx=15	Gewiss Chorus Titanium	xx=25
Vimar Plana White	xx=02	Bticino Liv. Now White	xx=77	Gewiss Playbus Black	xx=21
Vimar Idea White	xx=03	Bticino Liv. Now Black	xx=78	Gewiss system White	xx=24
Vimar Idea Black	xx=04	Bticino Liv. Now Sand	xx=79	AVE Domus 44 White	xx=61
Vimar Eikon - Eikon Evo White	xx=05	Bticino Matix White	xx=14	AVE Life Black 44250	xx=62
Vimar Eikon - Eikon Evo Black	xx=06	Bticino Axolute White	xx=12	AVE System 45	xx=63
Vimar Eikon - Eikon Evo Next	xx=07	Bticino Axolute Black	xx=13	AVE Tekla	xx=64
Vimar Arké White	xx=50	Bticino Axolute - Axolute Air Tech	xx=16	Legrand Vela Black	xx=40
Vimar Arké Black	xx=51			JUNG LS990 Alpine White	xx=91

Product	Description	Code	
	WI-TT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Installation into 2-module box.*	*6610160*	
	Accessories		
	WI-TP PRO *Touch-screen control panel. It is used to detect and change ths system parameters in local mode or by supervision via Ethernet.* *Installation into TP-Box. Power Supply 24 Vdc.*	*6610450*	
	TP BOX *Metal box for touch-screen user interface.* *Size 125x130x40mm.* *Wall recessed installation.*	*6610425*	
	IU-PRO *User Interface with display to check and manage the system parameters.* *RJ12 connector with 6-wire cable.*	*6610165*	
	TM SUPPLY WATER SENSOR *Supply water temperature sensor. Mandatory component per each mixing valve.*	*3601023*	
	TC SENSOR *Duct temperature sensor to control the supply air temperature from the air handling unit by the modular control of the flow rate on the post-treatment coils.*	*6600087*	

Product	Description	Code	
	QA SENSOR *Duct probe for air quality with VOC sensor. This makes it possible to control the quality of the air in rooms thanks to the fresh air ventilation function from the air handling unit. 0-10V or 4-20 mA signal.*	*6600145*	
	ROOM AIR QUALITY SENSOR QA-A *Room air quality sensor with automatic calibration and microprocessor control. The device detects the air quality in the room using a VOC mixed gas sensor. 0-10V or 4-20 mA signal.* *Protruding wall installation on 2-module recessed box.*	*6600150*	

CONNECTIVITY Wi-TP PRO

Wi-SA

Max 16 zone - Max 2 AHU
Max. bus distance 1 km

Key to symbols:
- **T** Zone Output
- **D** Dehumidification
- **V** Recirculation
- **Fc** Free-cooling
- **R** Fresh air
- **I** Integration
- **B** Boost
- **E** Economy
- **0-10V** 0-10 V

LC-SA regulation

MULTIZONE - 1 MIXED

Control system for managing up to 16 zones, suitable for managing the heating and cooling of radiant systems with indipendent energy production.
It can manage 2 types of system:
- **RADIANT HEATING + COOLING**
In its top configuration it can regulate:
- **16 zones** with temperature/humidity sensor
- **1 mixing valve** (with 0-10V analogue servomotor)
- **2 air handling units** operating in dehumidification + room air recirculation or free-cooling + fresh air ventilation + summer and winter integration, connected via bus

- **RADIANT HEATING + SUMMER AIR CONDITIONING THROUGH FAN-COIL;**
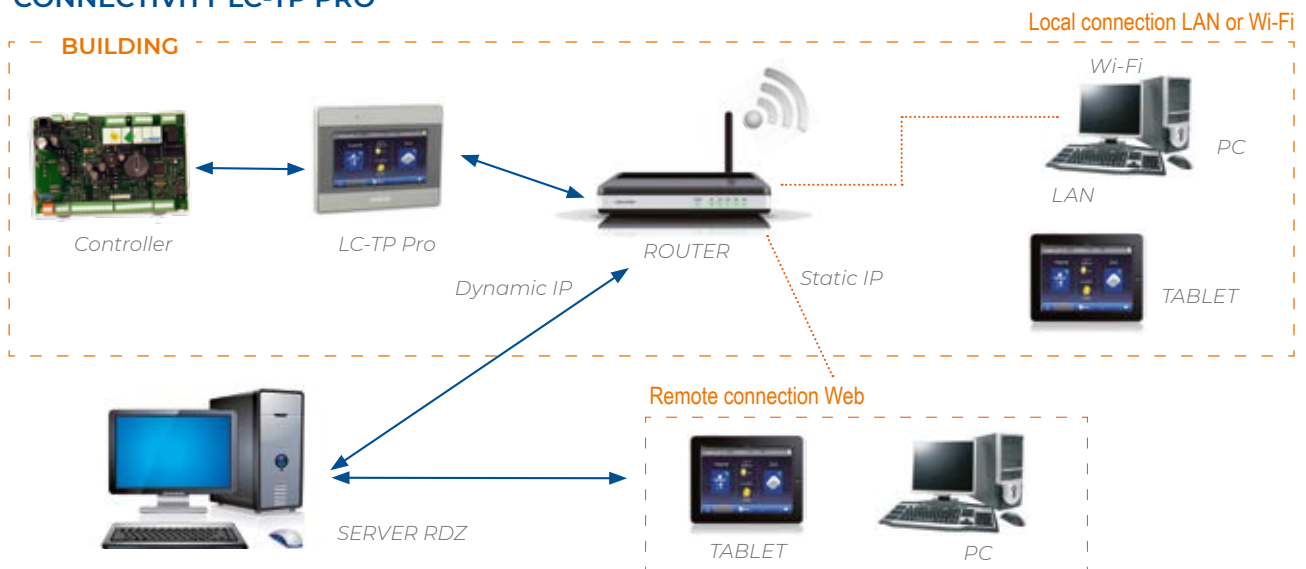In its top configuration it can regulate:
- **8 zones** with temperature/humidity sensor
- **1 mixing valve** (with 0-10V analogue servomotor)
- **8 fan coils** with 3-speed regulation or with 0-10V signal.

Product	Description	Code	
	Central units		
	LC.SA *Central unit to manage autonomous surface heating and cooling systems. It controls:* · *1 mixing valve (with 0-10 V servomotor)* · *Up to 16 temperature / humidity sensors* · *Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* · *the circulation pump of the radiant system* · *the circulation pump of the fancoils / dehumidifiers* · *heat pump/boiler/chiller* *Installation into 9-module DIN rail – Power Supply 24Vac.*	*6610022*	
	TM SUPPLY WATER SENSOR *Supply water temperature sensor. Mandatory component per each mixing valve.*	*3601023*	
	OUTDOOR SENSOR *External temperature detection sensor.*	*7301055*	
	Components for configuration expansion		
	LC-Z *Expansion unit to control different temperature/humidity zones. 4 relays with the following possible configurations: Surface Heating and Cooling.* **Radiant E/I** · *4 thermal zones* · *2 temperature/humidity sensors + 2 dehumidifier ouputs* · *2 temperatures + 1 integration* · *3 temperature zones + 1 dehumidification* **Radiant I + Fan coil E** · *1 temperature sensor + 1 fancoil unit (3 speeds or 0-10V)* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6620110*	
	LC-U *Expansion device to control 1 air handling unit (dehumidification - fresh air ventilation - free cooling / air recirculation - integration). Suitable only for surface heating and cooling configuration.* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6620120*	

Product	Description	Code	
	MINIFIT 10 *Optional connector for LC-U or LC-Z expansion units with 10-wire* *Minifit. It shall be used:* *· to connect Wi-ITA sensors with LC-Z expansion unit* *· to connect TC duct sensor with LC-U expansion unit*	*6600006*	
	Wi room sensors		
	WI-IHT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69001xx**	
	WI-ITD *Temperature sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69004xx**	
	WI-IHP *Temperature / humidity sensor. Bus connection. Power supply 24Vac.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69002xx**	
	WI-ITA *Wired temperature sensor. Direct connection with Wi-Z unit.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69003xx**	

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Vimar Idea Black	xx=04	Bticino Liv. Now Sand	xx=79	AVE Domus 44 White	xx=61
Vimar Eikon - Eikon Evo White	xx=05	Bticino Matix White	xx=14	AVE Life Black 44250	xx=62
Vimar Eikon - Eikon Evo Black	xx=06	Bticino Axolute White	xx=12	AVE System 45	xx=63
Vimar Eikon - Eikon Evo Next	xx=07	Bticino Axolute Black	xx=13	AVE Tekla	xx=64
Vimar Arké White	xx=50	Bticino Axolute - Axolute Air Tech	xx=16	Legrand Vela Black	xx=40
Vimar Arké Black	xx=51			JUNG LS990 Alpine White	xx=91

| Product	Description	Code	
	WI-TT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Installation into 2-module box.*	*6610160*	

Product	Description	Code	
User interface (required)			
	LC-TP PRO *Touch-screen control panel. It is used to detect and change ths system parameters in local mode or by supervision via* *Ethernet. Installation into TP-Box. Power Supply 24 Vdc.*	*6610451*	
	TP BOX *Metal box for touch-screen user interface.* *Size 125x130x40mm. Wall recessed installation.*	*6610425*	
	IU-PRO *User Interface with display to check and manage the system parameters. RJ12 connector with 6-wire cable.*	*6610165*	
Accessories			
	TC SENSOR *Duct temperature sensor to control the supply air temperature from the air handling unit by the modular control of the flow rate on the post-treatment coils.*	*6600087*	

CONNECTIVITY LC-TP PRO

LC-SA

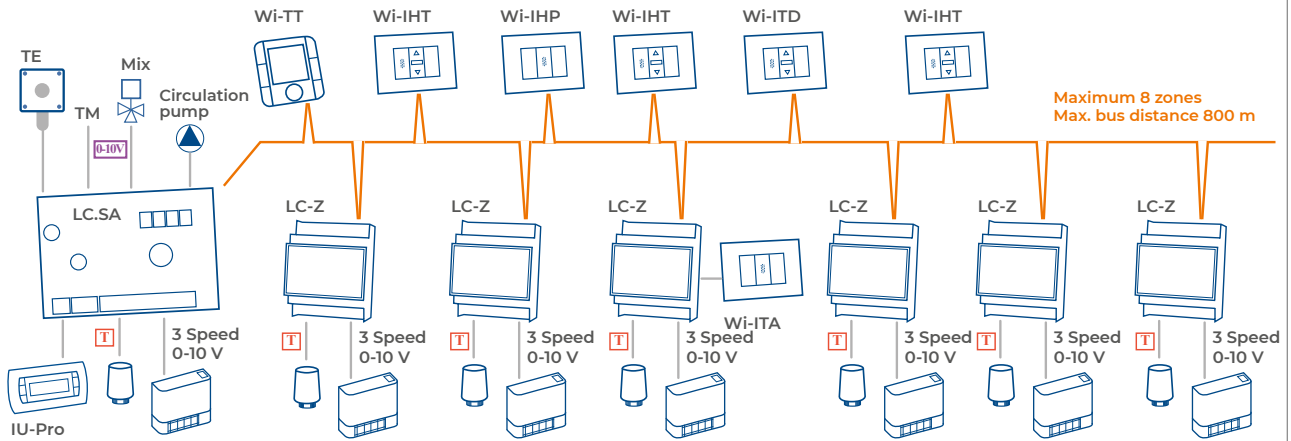### RADIANT HEATING + COOLING

Maximum 16 zones
Maximum 2 AHU
Max. bus distance 800 m

CHR xxx
DA xxx
UAP xxx
UC xxx
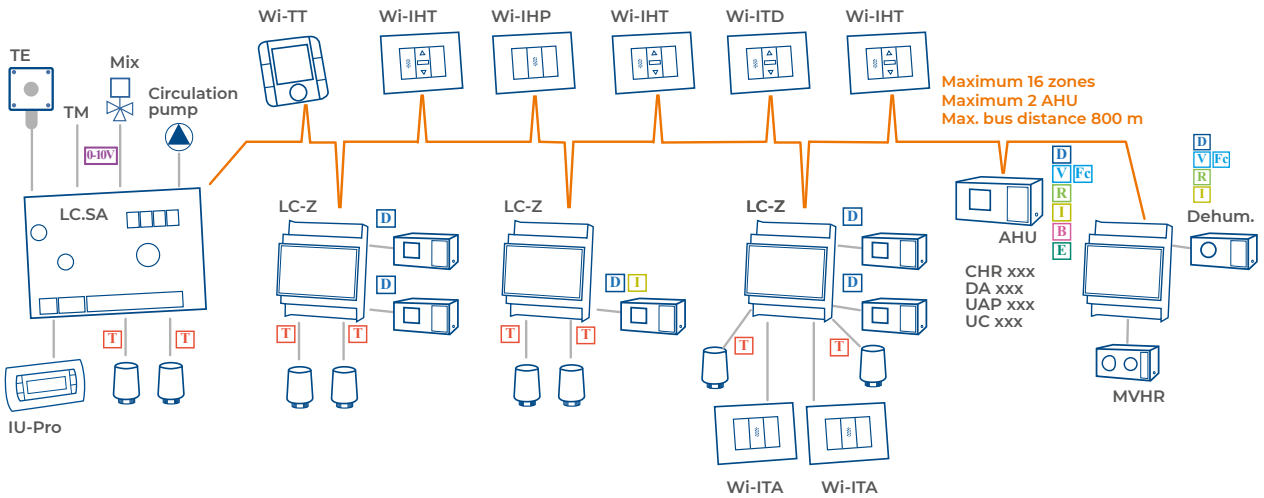
RADIANT HEATING + SUMMER AIR CONDITIONING VIA FAN-COIL

Maximum 8 zones
Max. bus distance 800 m

Key to symbols: T Zone Output D Dehumidification V Recirculation R Fresh air I Integration B Boost E Economy Fc Free-cooling 0-10V 0-10 V

OPTIONAL COMPONENTS FOR WI-SA AND LC-SA CONNECTIVITY

The connectivity devices allow Wi-SA and LC-SA to communicate with smart home automation systems that use Modbus and Konnex communication protocols.These devices also allow the RDZ controllers to be managed remotely and to be interfaced to a computer, in order to facilitate the reading of data and the configuration of the systems.
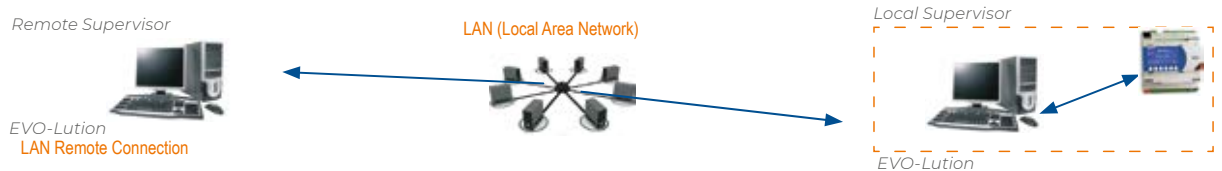
Product	Description	Code	
	PCO WEB KIT *Web Server for system supervision. It is used to:* · *check and change the system running by using a web browser* · *connect Wi/Lc controllers with other supervision systems via ModBus-TCP/IP protocol.* *Ethernet – RJ45 connection.*	6600250	
	WI-MB KIT *This kit is used to connect Wi/Lc controllers with home automation or supervision systems via RS485 with Modbus RTU protocol. The kit includes:* · *RS485 serial board for the connection with external systems* · *data register table*	6600092	
	WI-KNX KIT *This kit is used to connect Wi/Lc controllers with home automation or supervision systems via KNX protocol.* *The kit includes:* · *KNX serial board for the connection with KNX home automation system* · *a CD containing 2 files cf + plug-in*	6600102	
	EVO-LUTION PRO *This kit is used to check and set the system parameters via PC.* · *It includes a CD containing the set-up file.*	6600106	

KIT Wi-PC

LOCAL CONNECTION

USB Converter - Serial RS485   USB Port

WEB SERVER

EVO-Lution Local connection

LAN Remote CONNECTION

Remote Supervisor   LAN (Local Area Network)   *Local Supervisor*

EVO-Lution
LAN Remote Connection

EVO-Lution

WEB Remote CONNECTION

Remote Supervisor   Server RDZ   *Local Supervisor*

WWW
World Wide Web

EVO-Lution
LAN Remote Connection

EVO-Lution

CONNECTIVITY PCO WEB

BUILDING
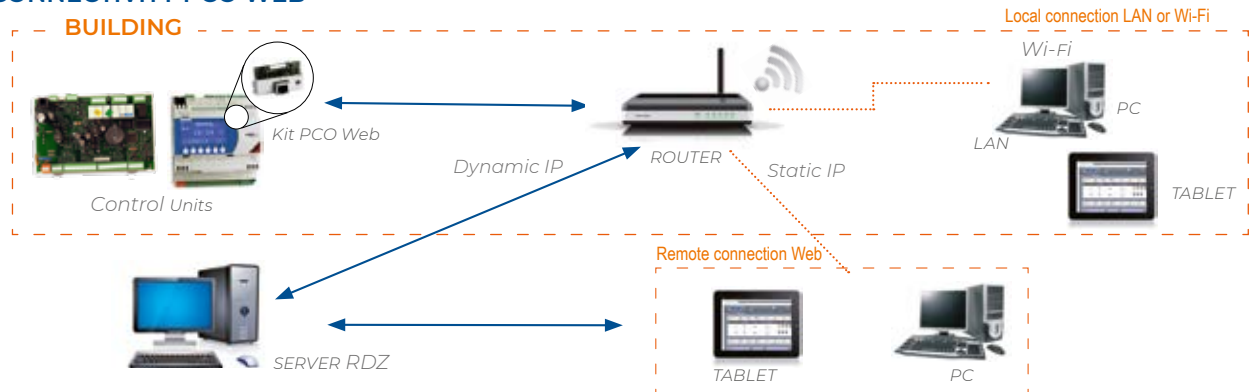
Local connection LAN or Wi-Fi

Wi-Fi

Kit PCO Web

PC

Dynamic IP   ROUTER   Static IP

LAN

Control Units

TABLET

Remote connection Web

SERVER RDZ

TABLET   *PC*

Regulation for systems with *centralized energy production*

The control units for managing room comfort in buildings with centralized energy production are expandable and modular regulation systems suitable for buildings with several residential units with different needs served by a single heating or cooling generator.

LC.NET regulation
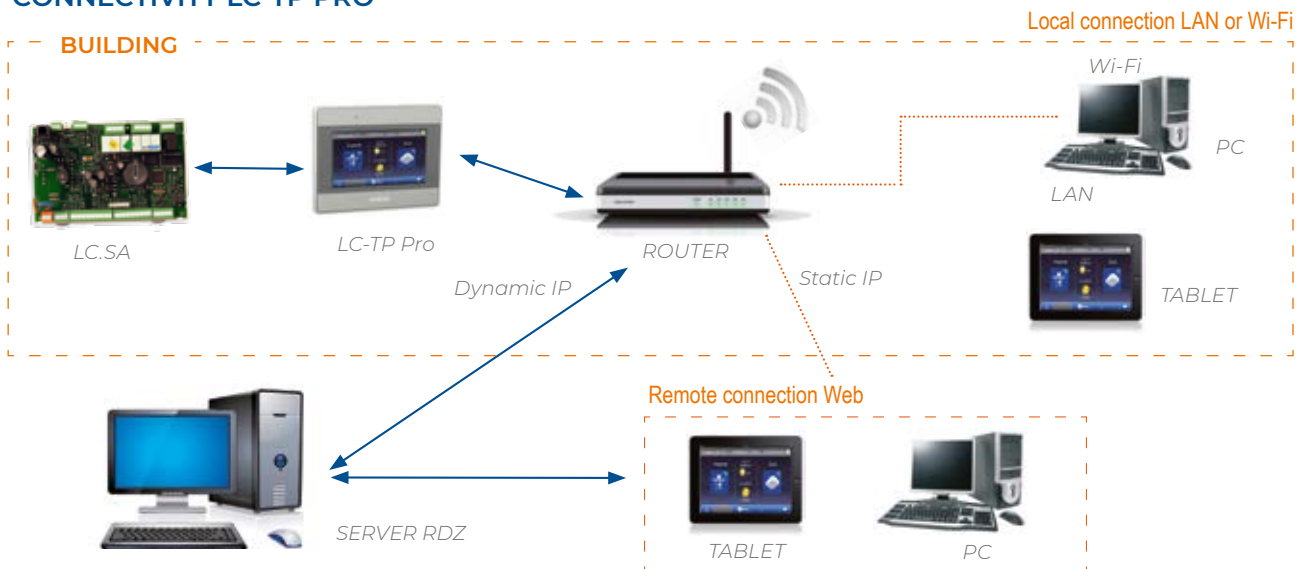
RS485 CONNECTION - MULTIZONE - 1 MIXER

Climate controller for central supply water temperature control with RS485 bus connection.
The system is composed by a regulation that manages the water production and peripheral devised installed in each flat.
In its top configuration it can manage up to 64 units equipped with LC.NET.

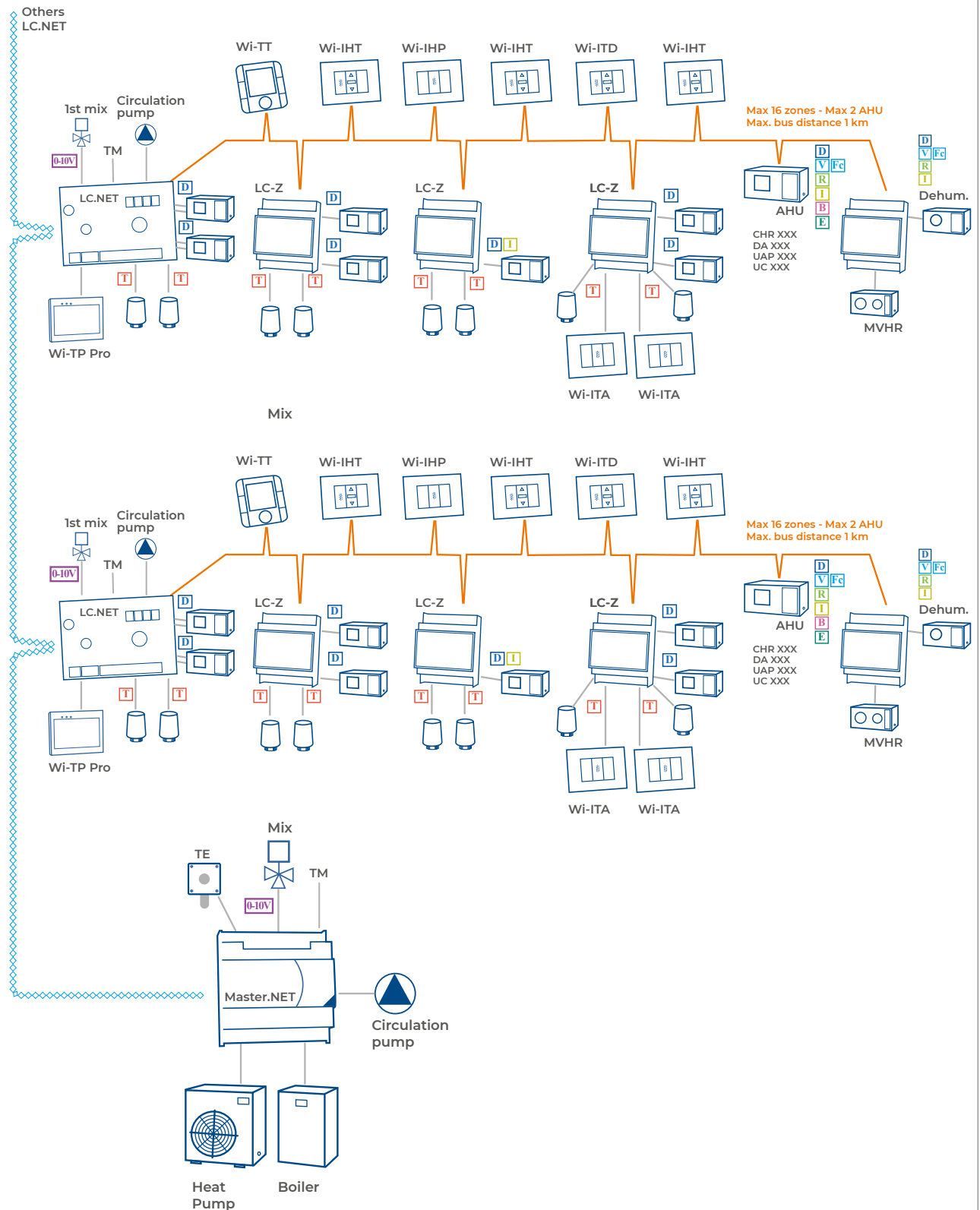| Product	Description	Code	
	Centralized technical room regulators		
	MASTER.NET *Room climate controller to manage surface heating and cooling system with central supply. It controls:* *· 1 main mixing valve (with 0-10 V servomotor)* *· 1 general circulation pump* *· 1 heat pump* *· 1 boiler* *· The controller can be connected with max. 64 Lc.Net devices.* *The product includes:* *· 1 regulation unit for the boiler room* *· 1 supply water sensor* *· 1 outdoor sensor* *· RS485 serial board*	*6610701*	
	Distribution module regulators		
	LC.NET *Control unit to manage surface heating and cooling systems. It controls:* *· 1 mixing valve (with 0-10 V servomotor)* *· Up to 16 temperature / humidity sensors* *· Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* *· the circulation pump of the radiant system* *· the circulation pump of the fancoil units* *· the general heating valve* *· The product includes:* *· 1 regulation unit* *· 1 supply water sensor* *· RS485 serial board for the connection with Master.Net device* *Installation into 9-module DIN rail – Power Supply 24Vac.*	*6610621*	
	Components for configuration expansion		
	LC-Z *Expansion unit to control different temperature/humidity zones. 4 relays with the following possible configurations:* *Surface Heating and Cooling* *· 4 temperature/humidity sensors (Bus connection)* *· 2 temperature/humidity sensors + 2 dehumidifier ouputs* *· 2 temperature/humidity sensors + 1 dehumidifier output + 1 integration output* *· 3 temperature/humidity sensors (Bus connection) + 1 dehumidifier output* *Surface Heating + Summer Air Conditioning (Fancoil Units)* *· 1 temperature sensor + 1 fancoil unit (3 speeds or 0-10V)* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6620110*	
	LC-U *Expansion device to control 1 air handling unit (dehumidification - fresh air ventilation - free cooling / air recirculation - integration). Suitable only for surface heating and cooling configuration.* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6620120*	
	MINIFIT 10 *Optional connector for LC-U or LC-Z expansion units with 10-wire Minifit.* *It shall be used:* *· to connect Wi-ITA sensors with LC-Z expansion unit* *· to connect TC duct sensor with LC-U expansion unit*	*6600006*	

Product	Description	Code	
	Room sensors		
	WI-IHT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69001xx*	
	WI-ITD *Temperature sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69004xx*	
	WI-IHP *Temperature / humidity sensor. Bus connection. Power supply 24Vac.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69002xx*	
	WI-ITA *Wired temperature sensor. Direct connection with Wi-Z unit.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69003xx*	

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Vimar Arké Black	xx=51			JUNG LS990 Alpine White	xx=91

Product	Description	Code	
	WI-TT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Installation into 2-module box.*	*6610160*	

Product	Description	Code	
	User interface (required)		
	LC-TP PRO *Touch-screen control panel. It is used to detect and change ths system parameters in local mode or by supervision via Ethernet.* *Installation into TP-Box. Power Supply 24 Vdc.*	*6610451*	
	TP BOX *Metal box for touch-screen user interface. Size 125x130x40mm.* *Wall recessed installation.*	*6610425*	
	IU-PRO *User Interface with display to check and manage the system parameters. RJ12 connector with 6-wire cable.*	*6610165*	
	Accessories		
	TC SENSOR *Duct temperature sensor to control the supply air temperature from the air handling unit by the modular control of the flow rate on the post-treatment coils.*	*6600087*	
	Supervisory systems		
	EVO-LUTION PRO *This kit is used to check and set the system parameters via PC.* *· It includes a CD containing the set-up file.*	*6600106*	

CONNECTIVITY LC-TP PRO

LC.NET

Others LC.NET

1st mix
Circulation pump
0-10V
TM
LC.NET
Wi-TP Pro

Wi-TT Wi-IHT Wi-IHP Wi-IHT Wi-ITD Wi-IHT

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

LC-Z LC-Z LC-Z AHU

CHR XXX
DA XXX
UAP XXX
UC XXX

Dehum.

MVHR

Wi-ITA Wi-ITA

Mix

Others LC.NET

1st mix
Circulation pump
0-10V
TM
LC.NET
Wi-TP Pro

Wi-TT Wi-IHT Wi-IHP Wi-IHT Wi-ITD Wi-IHT

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

LC-Z LC-Z LC-Z AHU

CHR XXX
DA XXX
UAP XXX
UC XXX

Dehum.

MVHR

Wi-ITA Wi-ITA

Mix

TE
Mix
0-10V
TM

Master.NET

Circulation pump

Heat Pump **Boiler**

Key to symbols: T Zone Output D Dehumidification V Recirculation Fc Free-cooling R Fresh air I Integration B Boost E Economy 0-10V 0-10 V

WI.TCP regulation

ETHERNET CONNECTION - MULTIZONE - MULTIPLE MIXERS

Climate controller for central supply water temperature control with Ethernet connection.
The system is composed by a regulation that manages the water production and peripheral devised installed in each flat.
In its top configuration it can manage up to 64 Wi-M1.TCP.

Product	Description	Code	
	Centralized technical room regulators		
	MASTER.TCP *Room climate controller to manage surface heating and cooling system with central supply. It controls:* *• 1 main mixing valve (with 0-10 V servomotor)* *• 1 general circulation pump* *• 1 heat pump* *• 1 boiler* *The controller can be connected with max. 64 Wi-M1.TCP devices.* *The product includes:* *• 1 regulation unit for the boiler room* *• 1 supply water sensor* *• 1 outdoor sensor* *• Ethernet board* *Power supply 24V AC (not supplied by RDZ)*	*6610702*	
	Distribution module regulators		
	WI-M1.TCP *Central unit to manage surface heating and cooling systems with central supply. It controls:* *• 1 mixing valve (with 0-10 V servomotor) + 1 mixing valve by using Wi-Mix (with 0-10 V servomotor)* *• Up to 16 temperature / humidity sensors* *• Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* * In case of additional mixing valves, room sensors or air handling units, it is necessary to use Wi-S modules.* *The product includes:* *• 1 regulation unit* *• 1 supply water sensor* *• Ethernet board* *Installation into 6-module DIN rail – Power Supply 24Vac.*	*6610612*	
	Components for configuration expansion		
	WI-S *Expansion unit with Bus connection. It controls:* *• 1 mixing valve (with 0-10 V servomotor) + 1 mixing valve by using Wi-Mix (with 0-10 V servomotor)* *• Up to 16 temperature / humidity sensors* *• Up to 2 air handling units (dehumidification - recirculation - fresh aire ventilation - integration)* *Installation into 6-module DIN rail – Power Supply 24Vac.*		
	Wi-S2	*6610021*	
	Wi-S3	*6610031*	
	Wi-S4	*6610041*	

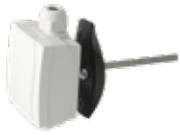| Product	Description	Code	
	WI-MIX *This device is used to control the second mixing valve in each of the following control unit: Wi-M1.xx / Wi-S2 / Wi-S3 / Wi-S4.* *Installation into 2-module DIN rail – Power Supply 24Vac.*	*6610150*	
	WI-Z *Expansion unit to connect zone actuators and/or input from the dehumidifiers.* *Possible configurations:* *· 4 temperature/humidity sensors (Bus connection)* *· 2 temperature/humidity sensors + 2 dehumidifier outputs* *· 2 temperature/humidity sensors + 1 dehumidifier output + 1 integration output* *· 3 temperature/humidity sensors (Bus connection) + 1 dehumidifier output* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6610110*	
	WI-U *Expansion device to control air handling units without Bus connection.* *It controls dehumidification - fresh air ventilation - free cooling / air recirculation - integration.* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*6610120*	
	Room sensors		
	WI-IHT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69001xx**	
	WI-ITD *Temperature sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Recessed installation into 2-module box (frame and cover plate are excluded)*	*69004xx**	
	WI-IHP *Temperature / humidity sensor. Bus connection. Power supply 24Vac.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69002xx**	
	WI-ITA *Wired temperature sensor. Direct connection with Wi-Z unit.* *Recessed installation into 1-module box (frame and cover plate are excluded)*	*69003xx**	

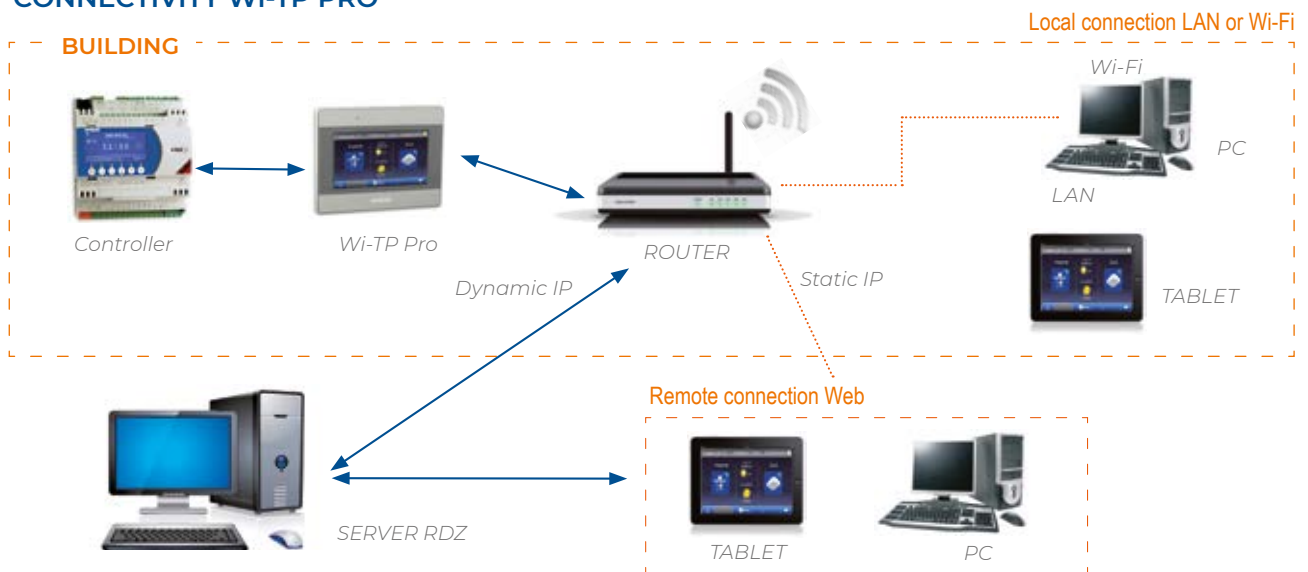*REGULATION FOR SYSTEMS WITH CENTRALIZED ENERGY PRODUCTION*

civil series	code	civil series	code	civil series	code
ABB Mylos White	xx=30	Bticino Living White	xx=11	Gewiss Chorus White	xx=22
ABB Mylos Black	xx=31	Bticino Living Black	xx=10	Gewiss Chorus Opaque Black	xx=23
Vimar Plana Silver	xx=01	Bticino Liv. Light - Light AirTech	xx=15	Gewiss Chorus Titanium	xx=25
Vimar Plana White	xx=02	Bticino Liv. Now White	xx=77	Gewiss Playbus Black	xx=21
Vimar Idea White	xx=03	Bticino Liv. Now Black	xx=78	Gewiss system White	xx=24
Vimar Idea Black	xx=04	Bticino Liv. Now Sand	xx=79	AVE Domus 44 White	xx=61
Vimar Eikon - Eikon Evo White	xx=05	Bticino Matix White	xx=14	AVE Life Black 44250	xx=62
Vimar Eikon - Eikon Evo Black	xx=06	Bticino Axolute White	xx=12	AVE System 45	xx=63
Vimar Eikon - Eikon Evo Next	xx=07	Bticino Axolute Black	xx=13	AVE Tekla	xx=64
Vimar Arké White	xx=50	Bticino Axolute - Axolute Air Tech	xx=16	Legrand Vela Black	xx=40
Vimar Arké Black	xx=51			JUNG LS990 Alpine White	xx=91

Product	Description	Code	
	WI-TT *Temperature / humidity sensor with display and keys to check and set room parameters. Bus connection. Power supply 24Vac.* *Installation into 2-module box.*	*6610160*	
Accessories			
	WI-TP PRO *Touch-screen control panel. It is used to detect and change ths system parameters in local mode or by supervision via Ethernet.* *Installation into TP-Box. Power Supply 24 Vdc.*	*6610450*	
	TP BOX *Metal box for touch-screen user interface. Size 125x130x40mm.* *Wall recessed installation.*	*6610425*	
	IU-PRO *User Interface with display to check and manage the system parameters. RJ12 connector with 6-wire cable.*	*6610165*	
	TM SUPPLY WATER SENSOR *Supply water temperature sensor. Mandatory component per each mixing valve.*	*3601023*	
	OUTDOOR SENSOR *External temperature detection sensor.*	*7301055*	

Product	Description	Code	
	TC SENSOR *Duct temperature sensor to control the supply air temperature from the air handling unit by the modular control of the flow rate on the post-treatment coils.*	6600087	
	QA SENSOR *Duct probe for air quality with VOC sensor. This makes it possible to control the quality of the air in rooms thanks to the fresh air ventilation function from the air handling unit. 0-10V or 4-20 mA signal.*	6600145	
Supervisory systems			
	EVO-LUTION PRO *This kit is used to check and set the system parameters via PC.* *· It includes a CD containing the set-up file.*	6600106	

CONNECTIVITY Wi-TP PRO

Local connection LAN or Wi-Fi

BUILDING

Controller — Wi-TP Pro — ROUTER

Dynamic IP

Static IP

Wi-Fi

PC

LAN

TABLET

Remote connection Web

SERVER RDZ

TABLET

PC

WI.TCP

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

Wi-TT · Wi-IHT · Wi-IHP · Wi-IHT · Wi-ITD · Wi-IHT

1st mix · Circulation pump · 0-10V · TM

Wi-TP Pro · Wi-M1

Wi-z · D · D · T · T

Wi-z · D · I · T · T

Wi-z · D · D · T · T

AHU
CHR XXX
DA XXX
UAP XXX
UC XXX

Wi-U · D V Fc R I · Dehum.

MVHR

QA sensor

TM · Wi-Mix · 2nd circul. pump · 2nd mix · 0-10V

Circulation pump · 1st mix · 0-10V · TM

Wi-S2

Wi-S3 and Wi-S4

UI Pro · TM · Wi-Mix · 2nd mix

D · D · T · T · T · T · T · T

AHU
CHR XXX
DA XXX
UAP XXX
UC XXX

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

1st mix · Circulation pump · 0-10V · TM

Wi-TT · Wi-IHT · Wi-IHP · Wi-IHT · Wi-ITD · Wi-IHT

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

Wi-TP Pro · Wi-M1

Wi-z · D · D · T · T

Wi-z · D · I · T · T

Wi-z · D · D · T · T

AHU
CHR XXX
DA XXX
UAP XXX
UC XXX

Wi-U · D V Fc R I · Dehum.

MVHR

QA sensor

TM · Wi-Mix · 2nd circul. pump · 2nd mix · 0-10V

switch

Circulation pump · 1st mix · 0-10V · TM

Wi-S2

Wi-S3 and Wi-S4

UI Pro · TM · Wi-Mix · 2nd mix

D · D · T · T · T · T · T · T

AHU
CHR XXX
DA XXX
UAP XXX
UC XXX

Max 16 zones - Max 2 AHU
Max. bus distance 1 km

TE · Mix · TM · 0-10V

MASTER.TCP

Circulation pump

Heat Pump · Boiler

Key to symbols: T Zone Output · D Dehumidification · V Recirculation · Fc Free-cooling · R Fresh air · I Integration · B Boost · E Economy · 0-10V 0-10 V

Thermostats and humidistats

Temperature and humidity are environmental parameters that must necessarily be monitored for thermal well-being in buildings. In this regard, RDZ offers a complete range of efficient and easy to use thermostats and humidistats.

Thermostats and humidistats

Product	Description	Code	
	Wall-embedded Thermostats - Chronothermostats		
	WALL-EMBEDDED ELECTRONIC THERMOSTAT *Wall-embedded electronic thermostat connected to the general power supply of the building. Suitable for room temperature control in heating and cooling systems.* *· Summer/winter operation* *· On/Off and proportional control* *· Antifreeze operation even in Off mode* *· White/anthracite grey cover plates.* *Recessed wall installation into 3-module box.* *Power supply 230V AC.*	*7015070*	
	WALL-EMBEDDED ELECTRONIC CHRONO-THERMOSTAT *Wall-embedded electronic chrono-thermostat with weekly programmable function. Connection to the general power supply of the building. Users can set 3 different temperatures at different times of the day.* *· Summer/winter operation* *· On/Off and proportional control* *· Antifreeze operation even in Off mode* *· White/anthracite grey cover plates.* *Recessed wall installation into 3-module box.* *Power supply 230V AC.*	*7015065*	
	Wall mounted Thermostats - Chronothermostats - Humidistats		
	THERMOHUMIDISTAT TIG 14 *Battery powered digital thermo-hygrostat to manage surface heating and cooling and dehumidification systems.* *· Weekly schedule with 7 different programs, one per each day of the week* *· Daily temperature setting on 3 levels* *· Antifreeze operation even in Off mode* *· Summer/winter operation* *· Dehumidification control* *· Dew point control* *· Holiday mode (1h ÷ 99 dd)* *Recessed wall installation into 3-module box.* *Power supply : 2 x 1.5V AA battery (not supplied)*	*6610351*	
	ELECTRONIC HUMIDISTAT *Wall-mounting humidistat with touch-screen display. Connection with the general power supply of the building. Suitable for room humidity control in flats and houses. Recessed wall installation into 3-module box.* *Power supply 230V AC.*		
	black	*7015055*	
	white	*7015060*	
	TFP 18 THERMOSTAT *This digital controller automatically regulates the fan speed on 3 levels in a fancoil unit operating for summer air conditioning. The device also controls a surface heating system.* *Recessed wall installation into 3-module box.* *Power supply 230V AC or 24V AC.*	*7015090*	
	BATTERY-POWERED EXTERNAL DIGITAL THERMOSTAT *This device is a digital battery thermostat for room temperature control in heating and cooling system.* *The user can choose 3 different running modes and related set-point temperatures: Comfort, Economy, Off/Antifreeze. The device is featured with a wide backlit display.* *Power supply : 2 x 1.5V AAA battery (not supplied)*	*7015080*	

Product	Description	Code	
	Stand-alone climatic controller		
	EASY-CLIMA SA CONTROLLER *Electronic unit to control the boiler room in heating/cooling systems with no Bus connection.* *This device manages:* *· the set-point control of the supply water temperature or according to the outdoor temperature* *· 2 adjustment levels for supply water temperature (comfort/economy)* *· the mixing valve through a 3-point actuator 230V in both summer and winter* *· the circulation pump of the radiant system* *· boiler/chiller/heat pump* *· manual switch from winter mode into summer mode.* *The controller is also equipped with supply water sensor and outdoor sensor.* *Installation into 4-module DIN rail – Power Supply 24Vac.*	*3226010*	
	EASY-CLIMA CONTROLLER *EASY-CLIMA CONTROLLER is installed in the room and acts as remote control of the information in EASY-CLIMA control unit. Since it is equipped with temperature and humidity sensors, it monitors winter temperature as well as summer temperature and dehumidification. Tension and communication come from EASY-CLIMA controller.*	*7301050*	
	3-MODULE BOX FOR EMBEDDED INSTALLATION	*0702001*	
	SUPPORTING FRAME FOR 3-MODULE COVER PLATE	*7020011*	
	3-MODULE COVER PLATE		
	BTicino Living International (black)	*7020010*	
	BTicino Living Light (white)	*7020012*	
	BC-W WIRED CONTROL BAR *Electronic control bar for underfloor heating systems.* *It can control up to 4 outputs (in 4 zones model) and 8 outputs (in 8 zones model) for actuators and thermostats; each output can drive one thermostat and its actuators.* *An output for a pump is available, as well as an output for boiler control. Moreover an input for an external clock, allowing for the activation of actuators and thermostats connected, is available.*		

model	voltage	Code	
4 zones	*24V or 230V*	*7016024*	
8 zones	*230V*	*7016028*	

Our history

*For over 40 years
we have been
a worldwide reference company
in the field of heating
and cooling systems.
We work with passion
to ensure indoor comfort
thanks to innovative solutions,
specifically for residential,
commercial and
industrial buildings.
We design and produce
high-efficient and
high-performance systems
which offer energy saving,
comfort and health
throughout the year.
Invisible solutions
spreading a unique sensation
of wellbeing in any room.*

RDZ

You Feel, We Care