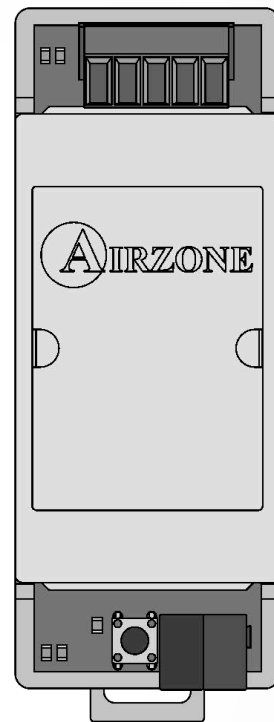


# Installation Manual



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## WARNINGS AND ENVIRONMENTAL POLICY

### PRECAUTIONS

For your security, and to protect the devices, follow these instructions:

- Do not handle the system with wet or damp hands.
- Disconnect the power supply before making any connections.
- Take care not to cause a short circuit in any of the system connections.

### ENVIRONMENTAL POLICY



Do not dispose of this equipment in the household waste. Electrical and electronic equipment contain substances that may damage the environment if they are not handled appropriately. The symbol of a crossed-out waste bin indicates that electrical equipment should be collected separately from other urban waste. For correct environmental management, it must be taken to the collection centres provided for this purpose, at the end of its useful life.

The equipment's components may be recycled. Act in accordance with current regulations on environmental protection.

If you replace it with other equipment, you must return it to the distributor or take it to a specialized collection center.

Those breaking the law or by-laws will be subject to such purposes and measures as are laid down in environmental protection legislation.

## GENERAL REQUIREMENTS

Strictly follow the directions outlined in this manual:

- This system must be installed by a qualified technician.
- Make all the connections with total absence of power.
- Set and connect the elements in accordance with the electronic regulations in force.
- In order to connect the elements of the system, use the Airzone cable: shielded twisted cable formed by 4 wires (2x0.22 mm<sup>2</sup>+ 2x0.5mm<sup>2</sup>).
- Do not connect the "-" pole in the "+" terminal. It may damage the device.
- For elements externally powered at 230 Vac, for the communications, it is only necessary to connect the poles "A" and "B" of the bus. Connecting the "+" and "-" power poles is not recommended.
- Follow the color code for all the elements of the system.
- Do not place the system bus close to lines of force, fluorescent lights, motors, etc. It might cause interference on communications.



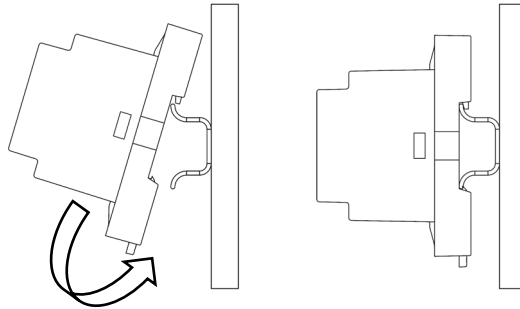
**Important:** According to the current local and national regulations, it is mandatory to add a switch (or other element to disconnect the system) to the external supply wiring so that a constant separation between poles is guaranteed. The system will restart automatically if the supply is eventually turned off.

## INTRODUCTION

The KNX gateway enables the integration of Airzone HVAC systems through ModBus in KNX TP-1 systems.

## ASSEMBLY

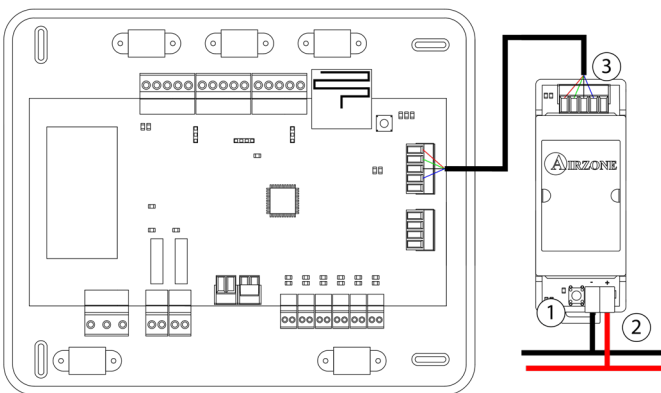
KNX integration gateway is mounted on DIN rail. This module is powered through the automation bus of the main control board and the KNX bus of the installation. It should be placed and mounted in accordance with the current electrotechnical regulations.



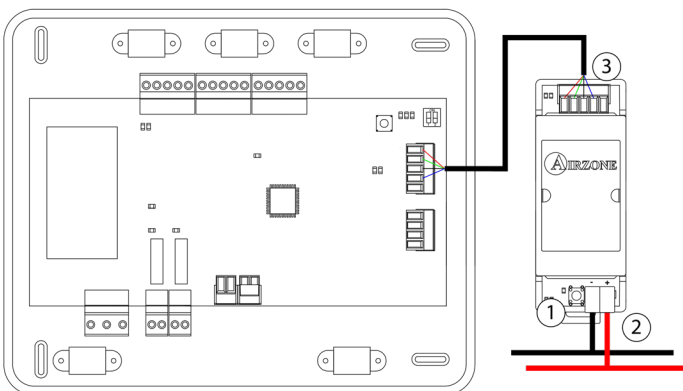
**Note:** To remove the module, pull the reed down.

## CONNECTION

The KNX gateway connects to the AC unit bus of the main control board.

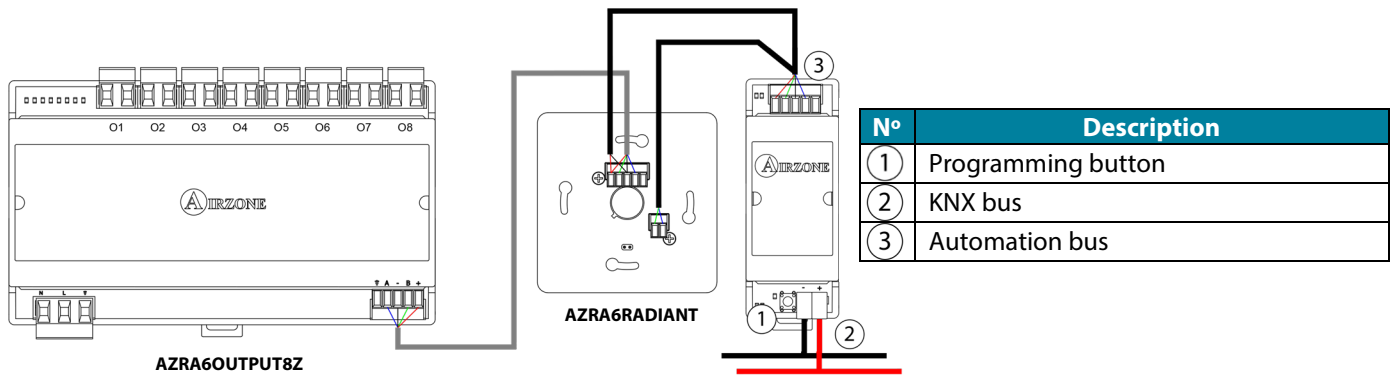


**AZCE6FLEXA3 / AZCE6IBPRO6**

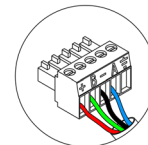


**AZDI6ACUAZONE / AZDI6IBPRO32**

N°	Description
①	Programming button
②	KNX bus
③	Automation bus

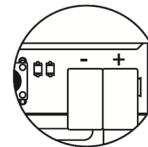


It has a 5-pin terminal to connect it to the automation bus of the main control board (3). Attach the wires with the terminal screws following the color code.



- A Blue
- Black
- B Green
- + Red

It has a KNX standard connector to connect it to the KNX bus (2). Connect the KNX gateway to the KNX TP-1 bus following the color code.



- + Red
- Black

The control module of radiant elements (ARZA6OUTPUT8Z) is a device connected to the Airzone connection bus of the main board.

## CONFIGURATION

This device is totally compatible with KNX, so you can configure it and set it up through ETS tool.

To do this, download the product database at:

[http://doc.airzone.es/producto/actuales/Airzone/Comunes/Softwares/BBDD\\_AZX6KNXGTWAY.zip](http://doc.airzone.es/producto/actuales/Airzone/Comunes/Softwares/BBDD_AZX6KNXGTWAY.zip)

The setup of the database in the ETS tool will be performed as usual. Once the database is imported, select the application named DI6Flexa3App.



**Note:** For more information about the commissioning of KNX products from ETS, please refer to "Diseño de proyectos KNX con ETS: Fundamentos".

**Important:** The available database is compatible with HW v. 1.2 version.

## GENERAL RECOMMENDATIONS

Before starting the commissioning, please follow these recommendations:

- Address the zoning system before the commissioning from ETS to integrate it with the KNX devices available in the network.
- Do not associate communication devices that won't be used in the KNX project. The number of associations is limited to 247.
- Configure the device parameters by selecting the topology of the used system and select the corresponding values for the device parameters used in the system.
- If there is any zone without an Airzone thermostat, to control the zone from a KNX device, previously configure the zone from the KNX control device or from the group address monitor. This configuration is important to control the zones in water installations (to access a zone, it must have at least a valid Airzone address).
- If there is more than one system and these systems are connected to VRF units, it is essential to group the mode changeover communication objects at the same group address.
- If you do not have Airzone thermostats in the installation, it is important to:
  - To indicate the flag switch in the OC of local temperature.
  - Report the room temperature of each zone every 5 minutes or less. Otherwise, the main control board will remove the zone and you will not be able to control it.
  - After downloading the application program or after a power failure of the system, it is necessary to send all communication objects that are being used (Room T, Set-point temp, On/Off, Mode, Stage, etc.).

## CONFIGURATION PARAMETERS

The configurable parameters are related to the communication objects available for the KNX-Airzone gateway. They are visible in the device database for the ETS software tool depending on the system configuration and the available zones. The value of each parameter is selected during the setup process, based on the peripherals connected to the system.

To control the AC system through KNX it is necessary to select the proper system topology, because this parameter affects the rest of parameters, as the number of available zones or the selection of some communication characteristic objects of each technology.

The representation of the system communication objects will be displayed in the ETS tool according to the values assigned to the parameters during the device configuration and setting up, changing the system and zone configuration.

The commissioning starts by selecting the values of the System parameters.

- **System topology:** Allows you to select the topology of the system. It is configured as **centralized** by default, so the available communication objects will be displayed.  
***Remember:** Depending on the selected topology, the communication objects related to this mentioned topology will be displayed. Modify the topology anytime considering that this parameter is the most influential for the commissioning.*
- **System model:** Allows you to select the model of the system. **FLEXA 3 system** is selected by default, which means that the communication objects which are not available for this system will not be visible.
- **Type of installation:** Determines the type of installation. These are the available options: **Inverter (A/A) - Fan Coil (F/C)** (by default), **2-pipe installation**, **4-pipe installation** and **mixed**.

**When you configure it as Inverter (A/A) - Fancoil (F/C), you also have to select the Unit gateway type: Inverter unit gateway (A/A) or Fancoil unit gateway.**

If you configure it as 2-pipe or 4-pipe installation, the Ventilation speed per zone will be available **if the zone is controlled by a Fancoil module**.

If it is configured as **4-pipe installation**, you can select, in addition, the value of the operation mode of the AC unit by enabling the **Zone operation mode**.

- **Radiant elements module.** Allows you to enable/disable the control module of radiant elements connected to the system. It is **Not connected** by default. If you enable this parameter, you will see a sub-menu where you can enable all the control modules of radiant elements connected to the system.

The KNX gateway can control the first 14 zones of the 32 zones available. Therefore only 2 out of the 4 modules connected to the system can be controlled.

Furthermore, if you selected the **Acuazone system** on the **System model** parameter, you will see a sub-menu for selecting the type of control performed by the radiant modules: **Heating, Cooling or Combined (Heating/Cooling)**. Depending on the option selected, the corresponding communication objects will be activated.

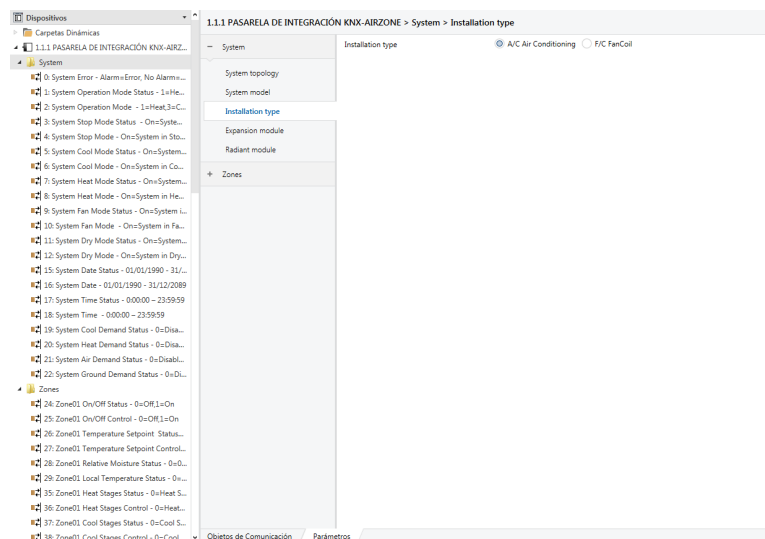
Activate/deactivate the zones from the zone menu. When a zone is enabled, an Airzone thermostat appears next to the zone menu. The value by default is **No**.

The default communication objects of the zones are **CZ zone Error, zone On/Off, set-point temperature** and **local temperature**.

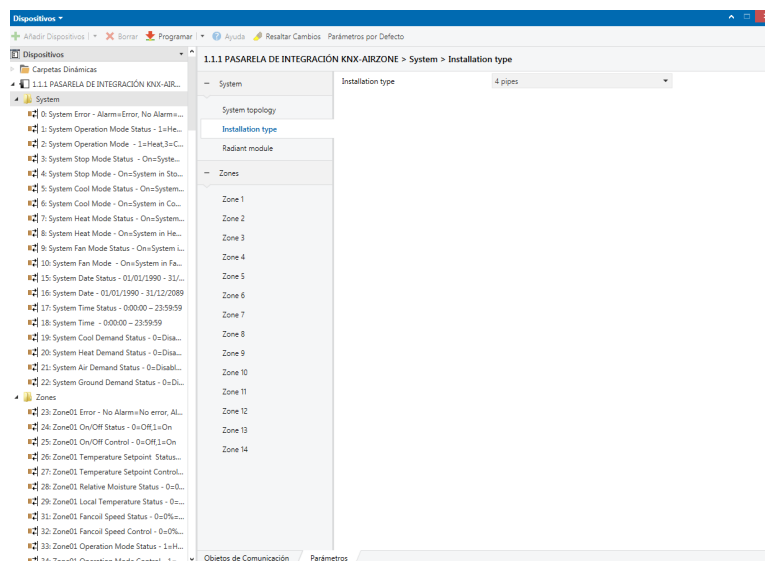
**Zone Error** combines the control of status of 3 different parameters: **Window alarm, actuator error 3 and 4**.

**Heating source configuration** and **Cooling source configuration** will only be available when the system chosen is **Acuazone** and the **Radiant elements module** is configured as **connected**.

Follow these steps to configure the device:



Parameters in centralized topology



Parameters in distributed topology



## COMMUNICATION OBJECTS

The available communication objects on the ETS will vary according to the system. For this reason, there is a functional division of the communication objects available in two categories: systems or zones. There are 8 zones available for centralized systems and up to 8 for distributed systems.

### AZ6 RANGE - FLEXA 3.0 (AZCE6), ACUAZONE & INNOBUS PRO32 (AZDI6)

<b>Object number</b>	<b>0</b>
Name	<b>CS communication error – Status</b>
Function	System 1 status
Description	This object reports if a communication error occurs in the system communication gateway.
Values	Alarm → Error; No Alarm → No Error
Type of access to the Bus	Reading
Data point identification	1,005 (DPT_Alarm)

<b>Object number</b>	<b>1</b>
Name	<b>AC operation mode</b>
Function	Mode changeover
Description	This object allows the user to change the operation mode of the AC unit connected to system 1 increasing the value of the object if applicable.
Values	1 → Heating; 3 → Cooling; 6 → Off; 9 → Fan; 14 → Dry
Type of access to the Bus	Reading
Data point identification	20,105 (DPT_HVACContrMode)

<b>Object number</b>	<b>2</b>
Name	<b>AC operation mode</b>
Function	Mode changeover
Description	This object allows the user to change the operation mode of the AC unit connected to system 1 increasing the value of the object if applicable.
Values	1 → Heating; 3 → Cooling; 6 → Off; 9 → Fan; 14 → Dry
Type of access to the Bus	Writing
Data point identification	20,105 (DPT_HVACContrMode)



<b>Object number</b>	<b>3</b>
Name	<b>STOP Mode</b>
Function	On/off
Description	This communication object reads the operation mode of the AC unit, switching to STOP mode when object value is ON and returning to the previous mode in system 1 if the mode value is OFF.
Values	On → STOP mode on; Off → STOP mode off
Type of access to the Bus	Reading
Data point identification	1,001

<b>Object number</b>	<b>4</b>
Name	<b>STOP Mode</b>
Function	On/off
Description	This communication object activates/deactivates the operation mode of the AC unit, switching to STOP mode when object value is ON and returning to the previous mode in system 1 if the mode value is OFF.
Values	On → STOP mode on; Off → STOP mode off
Type of access to the Bus	Writing
Data point identification	1,001

<b>Object number</b>	<b>5</b>
Name	<b>COOLING mode</b>
Function	On/off
Description	This communication object reads the operation mode status of the AC unit connected to system 1, switching to COOLING AIR mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Cooling air mode Off; On → Cooling air mode On
Type of access to the Bus	Reading
Data point identification	1,001

<b>Object number</b>	<b>6</b>
Name	<b>COOLING mode</b>
Function	On/off
Description	This communication object activates/deactivates the operation mode of the AC unit connected to system 1, switching to COOLING AIR mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Cooling air mode Off; On → Cooling air mode On
Type of access to the Bus	Writing
Data point identification	1,001

<b>Object number</b>	<b>7</b>
Name	<b>HEATING mode</b>
Function	On/off
Description	This communication object reads the operation mode status of the AC unit connected to system 1, switching to HEATING mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Heating air mode Off; On → Heating air mode On
Type of access to the Bus	Reading
Data point identification	1,001

<b>Object number</b>	<b>8</b>
Name	<b>HEATING mode</b>
Function	On/off
Description	This communication object activates/deactivates the operation mode of the AC unit connected to system 1, switching to HEATING mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Heating air mode Off; On → Heating air mode On
Type of access to the Bus	Writing
Data point identification	1,001

<b>Object number</b>	<b>9</b>
Name	<b>VENTILATION mode</b>
Function	On/off
Description	This communication object reads the operation mode status of the AC unit connected to system 1, switching to VENTILATION mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Ventilation mode Off; On → Ventilation mode On
Type of access to the Bus	Reading
Data point identification	1,001

<b>Object number</b>	<b>10</b>
Name	<b>VENTILATION mode</b>
Function	On/off
Description	This communication object activates/deactivates the operation mode of the AC unit connected to system 1, switching to VENTILATION mode when the value is ON and returning to the previous mode when the mode value is OFF.
Values	Off → Ventilation mode Off; On → Ventilation mode On
Type of access to the Bus	Writing
Data point identification	1,001

<b>Object number</b>	<b>11</b>
Name	<b>DRY mode</b>
Function	On/off
Description	This communication object reads the operation mode status of the AC unit connected to system 1, switching to DRY mode when the value is ON and returning to the previous mode when the mode value is OFF. This mode can be only activated when it is available in the AC unit to which the system is connected.
Values	Off → Dry mode Off; On → Dry mode On
Type of access to the Bus	Reading/Writing
Data point identification	1,001

<b>Object number</b>	<b>12</b>
Name	<b>DRY mode</b>
Function	On/off
Description	This communication object activates/deactivates the operation mode of the AC unit connected to system 1, switching to DRY mode when the value is ON and returning to the previous mode when the mode value is OFF. This mode can be only activated when it is available in the AC unit to which the system is connected.
Values	Off → Dry mode Off; On → Dry mode On
Type of access to the Bus	Writing
Data point identification	1,001

<b>Object number</b>	<b>13</b>
Name	<b>VENTILATION speed of the system</b>
Function	Speed of the system changeover
Description	This object is used to read the value of the ventilation speed set in the system in installations
Values	0% → Automatic; (1%-33%) → Speed 1; (34%-66%) → Speed 2; (67%-100%) → Speed 3
Type of bus access	Reading
Data point identification	5,001 (DPT_Scalling)

<b>Object number</b>	<b>14</b>
Name	<b>VENTILATION speed of the system</b>
Function	Speed of the system changeover
Description	This object is used to read or write the value of the ventilation speed set in the system in installations
Values	0% → Automatic; (1%-33%) → Speed 1; (34%-66%) → Speed 2; (67%-100%) → Speed 3
Type of bus access	Writing
Data point identification	5,001 (DPT_Scalling)

<b>Object number</b>	<b>15</b>
Name	<b>Date</b>
Function	Date
Description	This object is used to read the date stored in the system. Format = day/month/year.
Values	Day of the month: 1...31 Month: 1...12 Year: 1990...2089
Type of access to the Bus	Reading
Data point identification	11,001

<b>Object number</b>	<b>16</b>
Name	<b>Date</b>
Function	Date
Description	This object is used to read or write the date stored in the system. Format = day/month/year.
Values	Day of the month: 1...31 Month: 1...12 Year: 1990...2089
Type of access to the Bus	Writing
Data point identification	11,001

<b>Object number</b>	<b>17</b>
Name	<b>Time</b>
Function	Time
Description	This object is used to read the time stored in the system, displaying the hour/minutes/seconds.
Values	Hour: 0...24 Minutes: 0...59 Seconds: 0...59
Type of bus access	Reading
Data point identification	10,001

<b>Object number</b>	<b>18</b>
Name	<b>Time</b>
Function	Time
Description	This object is used to read or write the time stored in the system, displaying the hour/minutes/seconds.
Values	Hour: 0...24 Minutes: 0...59 Seconds: 0...59
Type of bus access	Writing
Data point identification	10,001

<b>Object number</b>	<b>19</b>
Name	<b>COOLING demand</b>
Function	Status
Description	This object reads the status register value, which indicates if there is cooling demand. This value is 0 on direct expansion units.
Values	0 → Deactivated; 1 → Activated
Type of bus access	Reading
Data point identification	1,003 (DPT_Enable)

<b>Object number</b>	<b>20</b>
Name	<b>HEATING demand</b>
Function	Status
Description	This object reads the status register value, which indicates if there is heating demand. This value is 0 on direct expansion units.
Values	0 → Deactivated; 1 → Activated
Type of bus access	Reading
Data point identification	1,003 (DPT_Enable)

<b>Object number</b>	<b>21</b>
Name	<b>AIR demand</b>
Function	Status
Description	This object reads the status register value, which indicates if there is air demand. This value is 0 on direct expansion units.
Values	0 → Deactivated; 1 → Activated
Type of bus access	Reading
Data point identification	1,003 (DPT_Enable)

<b>Object number</b>	<b>22</b>
Name	<b>FLOOR demand</b>
Function	Status
Description	This object reads the status register value, which indicates if there is floor demand.
Values	0 → Deactivated; 1 → Activated
Type of bus access	Reading
Data point identification	1,003 (DPT_Enable)

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	23	39	55	71	87	103	119	135	151	167	183	199	215	231
Name	<b>Zone X - Communication Error</b>													
Function	Status													
Description	This communication object allows the gateway to detect the communication errors occurred in the zones.													
Values	Alarm → Error; No Alarm → No Error													
Type of bus access	Reading													
Data point identification	1,005													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	24	40	56	72	88	104	120	136	152	168	184	200	216	232
Name	<b>Zone x - ON/OFF</b>													
Function	On/off:													
Description	From this object you can read the status of a zone.													
Values	0 → Zone OFF; 1 → Zone ON													
Type of bus access	Reading													
Data point identification	1,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	25	41	57	73	89	105	121	137	153	169	185	201	217	233
Name	<b>Zone x - ON/OFF</b>													
Function	On/off:													
Description	From this object you can activate/deactivate a zone.													
Values	0 → Zone OFF; 1 → Zone ON													
Type of bus access	Writing													
Data point identification	1,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	26	42	58	74	90	106	122	138	154	170	186	202	218	234
Name	<b>Zone X - Set-point temperature</b>													
Function	Temperature													
Description	It is used to read the set-point temperature value. It is possible to select any available zone.													
Values	Celsius degrees format: 0°C...99°C, steps of 0,5°C													
Type of bus access	Reading													
Data point identification	9,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	27	43	59	75	91	107	123	139	155	171	187	203	219	235
Name	<b>Zone X - Set-point temperature</b>													
Function	Temperature													
Description	It is used to define the set-point temperature value. It is possible to select any available zone.													
Values	Celsius degrees format: 0°C...99°C, in steps of 0,5°C													
Type of bus access	Writing													
Data point identification	9,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	28	44	60	76	92	108	124	140	156	172	188	204	220	236
Name	<b>Zone x – Relative humidity</b>													
Function	Humidity													
Description	It is used to read the relative humidity value.													
Values	0=0% ... 100=100%													
Type of bus access	Reading													
Data point identification	9,007													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	29	45	61	77	93	109	125	141	157	173	189	205	221	237
Name	<b>Zone X - Local temperature</b>													
Function	Temperature													
Description	It is used to define the local temperature value. In order to make zones without Airzone elements work, it is required to write the room temperature from this object.													
Values	0°C...99,9°C, in steps of 0,1°C													
Type of bus access	Reading													
Data point identification	9,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	30	46	62	78	94	110	126	142	158	174	190	206	222	238
Name	<b>Zone X - Local temperature</b>													
Function	Temperature													
Description	It is used to define the local temperature value. In order to make zones without Airzone elements work, it is required to write the room temperature from this object.													
Values	0°C...99,9°C, in steps of 0,1°C													
Type of bus access	Writing													
Data point identification	9,001													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	31	47	63	79	95	111	127	143	159	175	191	207	223	239
Name	<b>Zone x - Zone fancoil speed</b>													
Function	Speed changeover													
Description	These objects are used to read the value of the ventilation speed of the zone in 2-pipe, 4-pipe or mixed installations with Fancoil local module.													
Values	0% → Fan Speed Auto; (1-33%) → Fan Speed (34-66%); 2 → Fan Speed 2; (67-100%) → Fan Speed 3													
Type of bus access	Reading													
Data point identification	5,001 (DPT_Scalling)													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	32	48	64	80	96	112	128	144	160	176	192	208	224	240
Name	<b>Zone x - Zone fancoil speed</b>													
Function	Speed changeover													
Description	These objects are used to read or write the value of the ventilation speed of the zone in 2-pipe, 4-pipe or mixed installations with Fancoil local module.													
Values	0% → Fan Speed Auto; (1-33%) → Fan Speed (34-66%); 2 → Fan Speed 2; (67-100%) → Fan Speed 3													
Type of bus access	Writing													
Data point identification	5,001 (DPT_Scalling)													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	33	49	65	81	97	113	129	145	161	177	193	209	225	241
Name	<b>Zone X - Zone operation mode</b>													
Function	Mode changeover													
Description	It is used to read the operation mode of the zone in 4-pipe installations.													
Values	1 → Heating; 3 → Cooling; 6 → Off; 9 → Fan; 14 → Dry													
Type of bus access	Reading													
Data point identification	20,105													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	34	50	66	82	98	114	130	146	162	178	194	210	226	242
Name	<b>Zone X - Zone operation mode</b>													
Function	Mode changeover													
Description	It is used to change the operation mode of the zone in 4-pipe installations.													
Values	1 → Heating; 3 → Cooling; 6 → Off; 9 → Fan; 14 → Dry													
Type of bus access	Writing													
Data point identification	20,105													



	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	35	51	67	83	99	115	131	147	163	179	195	211	227	243
Name	<b>Zone X – Heat Stage</b>													
Function	Configuration													
Description	It is used to read the configuration of the heating stages of the zone: Air, Underfloor Heating or both of them at the same time.													
Values	1 → Air heating stage; 2 → Water heating stage; 5 → Water and air heating stage													
Type of bus access	Reading													
Data point identification	20,108 (DPT_ValveMode)													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	36	52	68	84	100	116	132	148	164	180	196	212	228	244
Name	<b>Zone X – Heat Stage</b>													
Function	Configuration													
Description	It is used to change the configuration of the heating stages of the zone: Air, Underfloor Heating or both of them at the same time.													
Values	1 → Air heating stage; 2 → Water heating stage; 5 → Water and air heating stage													
Type of bus access	Writing													
Data point identification	20,108 (DPT_ValveMode)													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	37	53	59	85	101	117	133	149	165	181	197	213	229	245
Name	<b>Zone X – Cool Stage</b>													
Function	Configuration													
Description	It is used to change the configuration of the cooling stages of the zone: Air, Underfloor Cooling or both of them at the same time.													
Values	3 → Air cooling stage; 4 → Water cooling stage; 5 → Water and air cooling stage													
Type of bus access	Reading													
Data point identification	20,108 (DPT_ValveMode)													

	Z. 1	Z. 2	Z. 3	Z. 4	Z. 5	Z. 6	Z. 7	Z. 8	Z. 9	Z. 10	Z. 11	Z. 12	Z. 13	Z. 14
<b>Object number</b>	38	54	70	86	102	118	134	150	166	182	198	214	230	246
Name	<b>Zone X – Cool Stage</b>													
Function	Configuration													
Description	It is used to change the configuration of the cooling stages of the zone: Air, Underfloor Cooling or both of them at the same time.													
Values	3 → Air cooling stage; 4 → Water cooling stage; 5 → Water and air cooling stage													
Type of bus access	Writing													
Data point identification	20,108 (DPT_ValveMode)													

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