



Presentia W v2

**KNX motion sensor with 0/1/2 capacitive buttons for
detection in corridors**

ZPDWxV2

Application program version: [1.2]
User manual edition: [1.2]_a

www.zennio.com

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1 INTRODUCTION

1.1 PRESENTIA W V2

Presentia W v2 from Zennio is a device that aims at, among other functions, the motion detection, the measurement and control of the room luminosity and the detection of occupancy within the room where it has been installed. Depending on the version, up to 2 push buttons are available. It has been designed for wall mounting by means of the bundled accessories.

The most outstanding features of Presentia W v2 are:

- **3 possible Device Version:**
 - without push buttons, called **Presentia W0**
 - with 1 push button, called **Presentia W1**
 - with 2 push buttons, called **Presentia W2**
- **3 available colours**, white, black and silver (lens are only available in white or black).
- **2 sensors** with configurable sensitivities.
- **1 LED** to indicate motion.
- **Motion detection:**
 - 6 motion detection channels.
 - Luminosity-dependent motion detection (optional).
 - Periodic and delayed sendings (binary, scene, HVAC, percentage).
- **Occupancy detection:**
 - 1x occupancy detection channel.
 - Master / slave configuration.
 - Trigger upon door opening or closing.
 - Periodic and delayed sendings (binary, scene, HVAC, percentage).

- **Luminosity measurement:**
 - Periodic sending or upon value change.
 - Sending of luminosity-dependent notifications.
- **Day / night** configuration.
- **10** customisable, multi-operation **logic functions**.
- **Heartbeat** or periodic “still alive” notification.

1.2 INSTALLATION

Presentia W V2 connects to the KNX bus through the on-board KNX connector.

Once the device is provided with power from the KNX bus, both the individual address and the associated application program may be downloaded.

This device does not need any additional external power since it is entirely powered through the KNX bus.

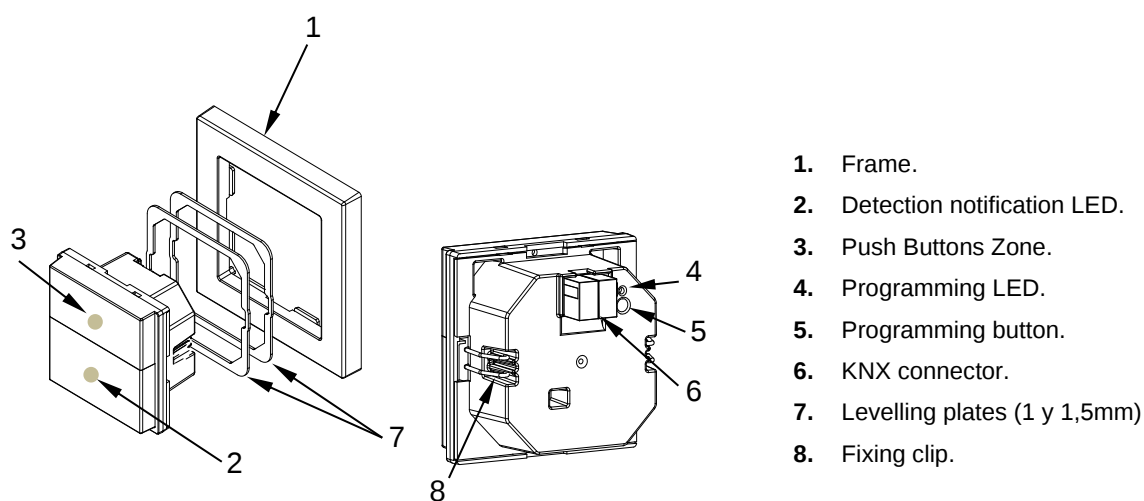


Figure 1. Presentia W V2. Elements

The main elements of the device are described next.

- **Programming button (5):** a short press on this button sets the device into the programming mode, making the associated LED (4) light in red.

Note: if this button is held while plugging the device into the KNX bus, the device will enter the **safe mode**. In such case, the LED will blink in red every 0.5 seconds.

- **Detection notification LED (2):** emits a light flash whenever the sensor associated to that zone observes motion.

Note: *for an optimal operation of the motion and luminosity sensors it is recommended that this detection notification LED only be activated during the installation process.*

To get detailed information about the technical features of this device, as well as on the installation process and on security procedures, please refer to the corresponding **Datasheet**, bundled with the original packaging of the device and also available at www.zennio.com.

1.3 START-UP AND POWER LOSS

During the start-up of the device, the detection notification LED flashes red for **one minute** before the motion sensor is operational.

Depending on the configuration, some specific actions will also be performed during the start-up. For example, the integrator can set whether the detection channels should start up enabled or disabled.

2 CONFIGURATION

After importing the corresponding database in ETS and adding the device into the topology of the desired project, the configuration process begins by entering the parameters window of the device

2.1 GENERAL

This window is subdivided into several other sections, which contain different general parameters.

2.1.1 CONFIGURATION

ETS PARAMETERISATION

From “General” tab all the required functionalities can be activated/deactivated.

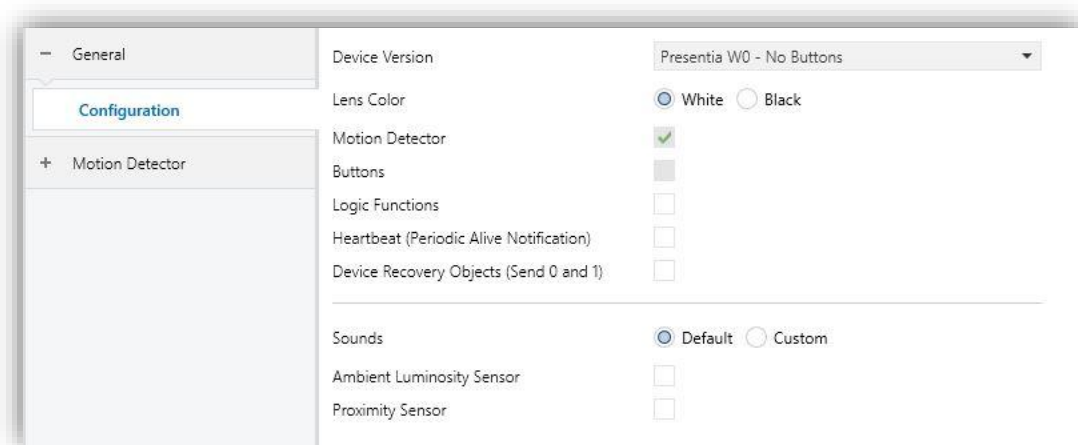
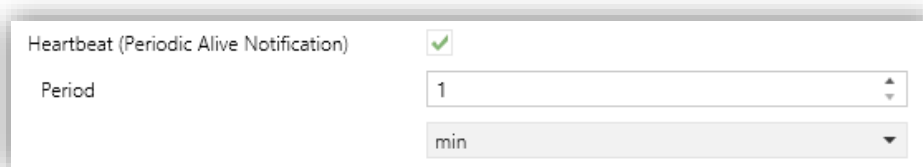


Figure 2. General

- **Device Version** [[Presentia W0 – No Buttons](#) / [Presentia W1 – 1 Button](#) / [Presentia W2 – 2 Buttons](#)]: the application program can be downloaded in all three versions of the device. If the correct option is not chosen, the push buttons will not work.
- **Lens Color** [[White](#) / [Black](#)]¹: selects the lens colour depending on Presentia W V2 type (white or black), allowing a correct measurement of luminosity and detections through the sensors.

¹ The default values of each parameter will be highlighted in blue in this document, as follows: [[default/rest of options](#)].

- **Motion Detector** [\[enabled\]](#): enables the “Motion Detector” tab in the tree on the left. For more information, see section 2.22.2.
- **Buttons** [\[enabled\]](#): read-only parameter to make it evident that the “Buttons” tab is always enabled in the tab tree on the left. For more information, see section 2.3.
- **Logic Functions** [\[enabled/disabled\]](#) enables or disables the “Logic Functions” tab in the tree on the left. For more information, see section 2.4.
- **Heartbeat (Periodic Alive Notification)** [\[enabled/disabled\]](#): incorporates a one-bit object to the project (“**[Heartbeat] Object to Send ‘1’**”) that will be sent periodically with a value of “1” to notify that the device is still working (still alive).

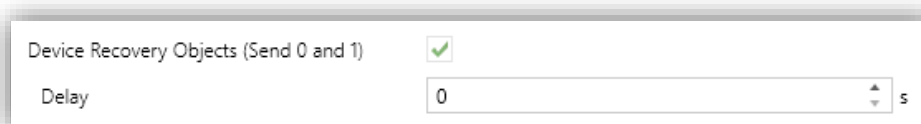


Heartbeat (Periodic Alive Notification)	☒
Period	1
	min

Figure 3. Heartbeat

Note: the first sending after download or bus failure takes place with a delay of up to 255 seconds, to prevent bus overload. The following sendings match the period set.

- **Device Recovery Objects (Send 0 and 1)** [\[disabled/enabled\]](#): this parameter lets the integrator activate two new communication objects (“**[Heartbeat] Device Recovery**”), which will be sent to the KNX bus with values “0” and “1” respectively whenever the device begins operation (for example, after a bus power failure). It is possible to parameterise a certain **delay** [\[0...255\]](#) to this sending.



Device Recovery Objects (Send 0 and 1)	☒
Delay	0
	s

Figure 4. Device Recovery Objects.

- **Sounds** [\[Default / Custom\]](#): sets whether the sound functions (button beeps, alarm and doorbell) should work according to the pre-defined configuration or to a user-defined configuration. See section 2.1.3 for details.

- **Ambient Luminosity Sensor** [[enabled/disabled](#)]: enables or disables the ambient luminosity sensor. When enabled, a new tab is added in the tree on the left. For more information, see section 2.1.4. **Error! No se encuentra el origen de la referencia..**
- **Proximity Sensor** [[disabled/enabled](#)]: enables the proximity sensor. This functionality permits “waking up” the device when detecting presence, see section 2.1.5.
- **Time to Consider Inactivity** [[1...30...255](#)][[s/min/h](#)]: allows setting a time after which, if no pulsation or proximity detection has occurred, the LEDs turn off (or acquire the brightness level configured, see section 2.1.2).
- **Advanced Configuration** [[disabled/enabled](#)]: enables or disables the “Advanced” tab in the tree on the left. See section 2.1.6 for details.

2.1.2 BACKLIGHT

Presentia W v2 is able to manage the brightness of the LED according to two operating modes: normal mode and night mode.

Please refer to the specific manual “**Brightness**” (available in the product section at the Zennio website, www.zennio.com) for detailed information about the functionality and the configuration of the related parameters.

2.1.3 SOUNDS

For detailed information about the functionality and the configuration of the related parameters, please refer to the specific manual “**Capacitive Touch Switches**” available in the Presentia W v2 product section at the Zennio homepage, www.zennio.com.

2.1.4 AMBIENT LUMINOSITY SENSOR

Presentia W v2 incorporate a **luminosity sensor** to receive and monitor ambient brightness measurement.

Please refer to the specific manual “**Luminosity and Proximity Sensor**” (available in the product section at the Zennio homepage, www.zennio.com) for detailed information about the functionality and the configuration of the related parameters.

2.1.5 PROXIMITY SENSOR

Please refer to the specific manual “**Proximity and Luminosity Sensor**” (available in the product section at the Zennio homepage, www.zennio.com) for detailed information about the functionality and the configuration of the related parameters.

2.1.6 ADVANCED CONFIGURATION

For detailed information about the functionality and the configuration of the related parameters, please refer to the specific manual “**Capacitive Touch Switches**” available in the Presentia W v2 product section at the Zennio homepage, www.zennio.com.

2.2 MOTION DETECTOR

Presentia W V2 incorporates six independent motion detection channels and one for occupancy detection.

- **Motion detection** consists in sending objects to the bus whenever the device observes a moving body (or no longer observes it) in the environment of the room where it has been installed.
- **Occupancy detection** is an algorithm that allows determining, through a multiple sensor configuration, whether a particular space is under occupation no matter if the occupant moves or not (i.e., no matter if the device is detecting motion in the room or not).

It also allows setting different luminosity setpoints or object types for **day and night time** as well as activating or deactivating the motion indicator LEDs.

Presentia W V2 can also set custom **sensitivity** of the motion sensor and measure the **luminosity** level of the room. This measurement will be made according to the **colour of lens** selected.

Please refer to the specific manual “**Presence Detector**” available in Presentia W V2 product section at the Zennio website (www.zennio.com) for detailed information about the functionality and the configuration of the related parameters.

Please note:

- *References to presence detection in this manual, in this case, correspond to motion detection.*
- *The constant light regulation functionality is not included (the working plane on which the device is installed is not suitable for this functionality).*
- *The unit of measurement for the luminosity level is percentage.*

2.3 BUTTONS

For detailed information about the functionality and the configuration of the related parameters, please refer to the specific manual "**Capacitive Touch Switches**" available in the Presentia W v2 product section at the Zennio homepage, www.zennio.com.

2.4 LOGIC FUNCTIONS

This module makes it possible to perform numeric and binary operations to incoming values received from the KNX bus, and to send the results through other communication objects specifically enabled for this purpose.

Presentia W v2 can implement up to **10 different and independent functions**, each of them entirely customisable and consisting of **up to 4 consecutive operations**.

The execution of each function can depend on a configurable **condition**, which will be evaluated every time the function is **triggered** through specific, parameterizable communication objects. The result after executing the operations of the function can also be evaluated according to certain **conditions** and afterwards sent (or not) to the KNX bus, which can be done every time the function is executed, periodically or only when the result differs from the last one.

Please refer to the "**Logic Functions**" user manual available under the Presentia W V2 product section at the Zennio homepage (www.zennio.com) for detailed information about the functionality and the configuration of the related parameters.

ANNEX I. COMMUNICATION OBJECTS

- “Functional range” shows the values that, with independence of any other values permitted by the bus according to the object size, may be of any use or have a particular meaning because of the specifications or restrictions from both the KNX standard or the application program itself.

Number	Size	I/O	Flags	Data type (DPT)	Functional Range	Name	Function
1	1 Bit		C - - T -	DPT_Trigger	0/1	[Heartbeat] Object to Send '1'	Sending of '1' Periodically
2	1 Bit		C - - T -	DPT_Trigger	0/1	[Heartbeat] Device Recovery	Send 0
3	1 Bit		C - - T -	DPT_Trigger	0/1	[Heartbeat] Device Recovery	Send 1
4	1 Byte	I	C - W - -	DPT_SceneNumber	0 - 63	[General] Scene: Receive	0 - 63 (Run Scene 1-64)
5	1 Byte		C - - T -	DPT_SceneControl	0-63; 128-191	[General] Scene: Send	0 - 63/128 - 191 (Run/Save Scene 1-64)
6	1 Bit	I	C - W - -	DPT_Enable	0/1	[General] Touch Locking	0 = Unlock; 1 = Lock
	1 Bit	I	C - W - -	DPT_Enable	0/1	[General] Touch Locking	0 = Lock; 1 = Unlock
7	1 Bit		C - - T -	DPT_Switch	0/1	[General] Welcome Back Object	Switch Object Sent on Wake Up
8	1 Bit	I	C - W - -	DPT_Enable	0/1	[General] Sounds - Disabling Button Sound	0 = Disable Sound; 1 = Enable Sound
	1 Bit	I	C - W - -	DPT_Enable	0/1	[General] Sounds - Disabling Button Sound	0 = Enable Sound; 1 = Disable Sound
9	1 Bit	I	C - W - -	DPT_Ack	0/1	[General] Sounds - Doorbell	1 = Play a Doorbell Sound; 0 = Nothing
	1 Bit	I	C - W - -	DPT_Ack	0/1	[General] Sounds - Doorbell	0 = Play a Doorbell Sound; 1 = Nothing
10	1 Bit	I	C - W - -	DPT_Alarm	0/1	[General] Sounds - Alarm	1 = Play Alarm Intermittent Sounds; 0 = Stop Alarm Sounds
	1 Bit	I	C - W - -	DPT_Alarm	0/1	[General] Sounds - Alarm	0 = Play Alarm Intermittent Sounds; 1 = Stop Alarm Sounds
11, 12, 13, 14, 15	1 Bit	I	C - W - -	DPT_Switch	0/1	[General] Welcome Back Object - Additional Condition	Additional Condition Object x
16	1 Bit	I	C - W - -	DPT_Enable	0/1	[General] Proximity Sensor	0 = Disable; 1 = Enable
17	1 Bit	I	C - W - -	DPT_Start	0/1	[General] External Proximity Detection	1 = Detection
18	1 Bit		C - - T -	DPT_Start	0/1	[General] Proximity Detection	Send 1 when Proximity is Detected
19	1 Bit		C - - T -	DPT_Bool	0/1	[General] Luminosity (1-Bit)	0 = Over Threshold; 1 = Under Threshold
	1 Bit		C - - T -	DPT_Bool	0/1	[General] Luminosity (1-Bit)	0 = Under Threshold; 1 = Over Threshold
20	1 Byte	O	C R - - -	DPT_Scaling	0% - 100%	[General] Luminosity (Percentage)	0% ... 100%
22	1 Bit	I	C - W - -	DPT_DayNight	0/1	[General] Backlight Mode	0 = Night Mode; 1 = Normal Mode
	1 Bit	I	C - W - -	DPT_DayNight	0/1	[General] Backlight Mode	0 = Normal Mode; 1 = Night Mode
23	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[General] Display - Brightness	0% ... 100%

24	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[General] Display - Contrast	0% ... 100%
25, 31, 37	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Switch: "0"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Hold & Release - Switch Control	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Short Press: "0"	1-Bit Generic Control
	1 Bit		C - - T -	DPT_Switch	0/1	[Btn][Ix] Light - Switch Control	(Short Press) Switch Between On and Off
	1 Bit		C - - T -	DPT_Step	0/1	[Btn][Ix] Shutter - Stop/Step Control	(Short Press) 0 = Stop Shutter/Step Up; 1 = Stop Shutter/Step Down
	1 Bit		C - - T -	DPT_Trigger	0/1	[Btn][Ix] Shutter - Stop Control	(End Pressing) Stop Shutter
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Switch: "1"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Switch: "0/1"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Short Press: "0/1"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Short Press: "1"	1-Bit Generic Control
26, 32, 38	4 Bit	I	C - W T -	DPT_Control_Dimming	0x0 (Detener) 0x1 (Reducir 100%) ... 0x7 (Reducir 1%) 0x8 (Detener) 0x9 (Subir 100%) ... 0xF (Subir 1%)	[Btn][Ix] Light - Dimming Control	(Long Press) Switch Between Dimming Up and Down
27, 33, 39	1 Bit		C - - T -	DPT_UpDown	0/1	[Btn][Ix] Shutter - Move Control	(Long Press) 0 = Up ; 1 = Down
	1 Bit		C - - T -	DPT_UpDown	0/1	[Btn][Ix] Shutter - Move Control	(Start Pressing) Switch Between Up and Down
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Long Press: "1"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Long Press: "0"	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] Two objects - Long Press: "0/1"	1-Bit Generic Control
28, 34, 40	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] LED On/Off	0 = Off; 1 = On
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][Ix] LED On/Off	0 = On; 1 = Off
29, 35, 41	1 Byte	I	C - W T -	DPT_Scaling	0% - 100%	[Btn][Ix] Percentage - Control	0% ... 100%
	1 Byte	I	C - W T -	DPT_Value_1_Ucount	0 - 255	[Btn][Ix] Integer - 1-Byte Unsigned Control	0 ... 255
	1 Byte	I	C - W T -	DPT_Value_1_Count	-128 - 127	[Btn][Ix] Integer - 1-Byte Signed Control	-128 ... 127
	2 Bytes	I	C - W T -	DPT_Value_2_Ucount	0 - 65535	[Btn][Ix] Integer - 2-Byte Unsigned Control	0 ... 65535
	2 Bytes	I	C - W T -	DPT_Value_2_Count	-32768 - 32767	[Btn][Ix] Integer - 2-Byte Signed Control	-32768 ... 32767
	2 Bytes	I	C - W T -	9.xxx	-671088,64 - 670433,28	[Btn][Ix] Float - 2-Byte Control	-671088.64 ... 670433.28
	1 Byte	I	C - W T -	DPT_Value_1_Ucount	0 - 255	[Btn][Ix] Two objects - Short Press: 1-Byte	Send Selected 1-Byte Value on Short Press

	1 Byte	I	C - W T -	DPT_Scaling	0% - 100%	[Btn][Ix] Shutter - Percentage Status	0% = Top; 100% = Bottom
	1 Byte	I	C - W T -	DPT_Scaling	0% - 100%	[Btn][Ix] Light - Percentage Status	0% ... 100 %
	1 Byte	I	C - W T -	1.xxx	0/1	[Btn][Ix] Room State	0 = Normal; 1 = Make Up Room; 2 = Do Not Disturb
30, 36, 42	1 Byte	I	C - W T -	DPT_Value_1_Ucount	0 - 255	[Btn][Ix] Two objects - Long Press: 1-Byte	Send Selected 1-Byte Value on Long Press
43	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][PA] Switch	1-Bit Generic Control
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][PA] Two objects - Short Press Control	1-Bit Generic Control
	1 Bit		C - - T -	DPT_Switch	0/1	[Btn][PA] Light - Switch Control	0 = Off; 1 = On
	1 Bit		C - - T -	DPT_Step	0/1	[Btn][PA] Shutter - Stop/Step Control	0 = Stop/Step Up; 1 = Stop/Step Down
	1 Bit		C - - T -	DPT_Trigger	0/1	[Btn][PA] Shutter - Stop Control	0/1 = Stop
44	4 Bit	I	C - W T -	DPT_Control_Dimming	0x0 (Detener) 0x1 (Reducir 100%) ... 0x7 (Reducir 1%) 0x8 (Detener) 0x9 (Subir 100%) ... 0xF (Subir 1%)	[Btn][PA] Light - 4-Bit Dimming Control	4-Bit Dimming Control
45	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][PA] Two objects - Long Press Control	1-Bit Generic Control
	1 Bit		C - - T -	DPT_UpDown	0/1	[Btn][PA] Shutter - Move Control	0 = Up; 1 = Down
46	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][PA] LED On/Off	0 = On; 1 = Off
	1 Bit	I	C - W T -	DPT_Switch	0/1	[Btn][PA] LED On/Off	0 = Off; 1 = On
47	1 Byte	I	C - W T -	DPT_Scaling	0% - 100%	[Btn][PA] Light - Percentage Status	0% = Off; 100% = On
51	1 Byte	O	C R - T -	DPT_Scaling	0% - 100%	Luminosity - Internal Sensor	%
55	1 Bit	I	C - W - -	DPT_DayNight	0/1	Day/Night	0 = Day; 1 = Night
	1 Bit	I	C - W - -	DPT_DayNight	0/1	Day/Night	0 = Night; 1 = Day
56	1 Bit	I	C - W - -	DPT_Enable	0/1	Detection LEDs	0 = Disable; 1 = Enable
	1 Bit	I	C - W - -	DPT_Enable	0/1	Detection LEDs	0 = Disable; 1 = Enable Only During the Day
	1 Bit	I	C - W - -	DPT_Enable	0/1	Detection LED	0 = Disable; 1 = Enable
	1 Bit	I	C - W - -	DPT_Enable	0/1	Detection LED	0 = Disable; 1 = Enable Only During the Day
	1 Bit	I	C - W - -	DPT_Enable	0/1	Detection LED	0 = Disable; 1 = Enable Only During the Day
57	1 Bit	O	C R - T -	DPT_Switch	0/1	Occupancy: Output (Binary)	Binary Value
	1 Bit		C - - T -	DPT_Start	0/1	Occupancy: Slave Output	1 = Motion Detected
58	1 Byte	O	C R - T -	DPT_Scaling	0% - 100%	Occupancy: Output (Scaling)	0-100%
59	1 Byte	O	C R - T -	DPT_HVACMode	1=Confort 2=Standby 3=Económico 4=Protección	Occupancy: Output (HVAC)	Auto, Comfort, Standby, Economy, Building Protection
60	1 Bit	I	C - W - -	DPT_Window_Door	0/1	Occupancy: Trigger	Binary Value to Trigger the Occupancy

							Detection
61	1 Bit	I	C - W - -	DPT_Start	0/1	Occupancy: Slave Input	1 = Detection from slave device
62	2 Bytes	I	C - W - -	DPT_TimePeriodSec	0 - 65535	Occupancy: Waiting Time	0-65535 s.
63	2 Bytes	I	C - W - -	DPT_TimePeriodSec	0 - 65535	Occupancy: Listening Time	1-65535 s.
64	1 Bit	I	C - W - -	DPT_Enable	0/1	Occupancy: Lock	0 = Unlock; 1 = Lock
	1 Bit	I	C - W - -	DPT_Enable	0/1	Occupancy: Lock	0 = Lock; 1 = Unlock
65	1 Bit	O	C R - T -	DPT_Occupancy	0/1	Occupancy: Occupancy State	0 = Not Occupied; 1 = Occupied
66	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	Sensor 1 Sensitivity	1-100%
67	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	Sensor 2 Sensitivity	1-100%
70, 79, 88, 97, 106, 115	1 Bit	I	C - W - -	DPT_Start	0/1	[Cx] External Motion Detection	1 = Motion detected by an external sensor
71, 80, 89, 98, 107, 116	1 Bit	O	C R - T -	DPT_Switch	0/1	[Cx] Output (Binary)	Binary Value
72, 81, 90, 99, 108, 117	1 Byte	O	C R - T -	DPT_Scaling	0% - 100%	[Cx] Output (Scaling)	0-100%
73, 82, 91, 100, 109, 118	1 Byte	O	C R - T -	DPT_HVACMode	1=Confort 2=Standby 3=Económico 4=Protección	[Cx] Output (HVAC)	Auto, Comfort, Standby, Economy, Building Protection
74, 83, 92, 101, 110, 119	1 Bit	I	C - W - -	DPT_Enable	0/1	[Cx] Lock Status	0 = Unlock; 1 = Lock
	1 Bit	I	C - W - -	DPT_Enable	0/1	[Cx] Lock Status	0 = Lock; 1 = Unlock
75, 84, 93, 102, 111, 120	1 Bit	I	C - W - -	DPT_Start	0/1	[Cx] Force State	0 = No Detection; 1 = Detection
76, 85, 94, 103, 112, 121	1 Bit	I	C - W - -	DPT_Start	0/1	[Cx] External Switch	0 = No Detection; 1 = Detection
77, 86, 95, 104, 113, 122	2 Bytes	I/O	C R W - -	DPT_TimePeriodSec	0 - 65535	[Cx] Length of Detection	1-65535 s.
124, 140	1 Bit	I	C - W - -	DPT_Start	0/1	[CLCx] External Motion Detection	1 = Motion detected by an external sensor
125, 141	1 Bit	I	C - W - -	DPT_Enable	0/1	[CLCx] Lock Status	0 = Unlock; 1 = Lock
	1 Bit	I	C - W - -	DPT_Enable	0/1	[CLCx] Lock Status	0 = Lock; 1 = Unlock
126, 142	1 Bit	I	C - W - -	DPT_Start	0/1	[CLCx] Force State	0 = No Detection; 1 = Detection
127, 143	1 Bit	I	C - W - -	DPT_Start	0/1	[CLCx] External Switch	0 = No Detection; 1 = Detection
128, 144	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[CLCx] Setpoint	Setpoint Value (1-100)%
	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[CLCx] Setpoint During Day	Setpoint Value (1-100)%
129, 145	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[CLCx] Setpoint During Night	Setpoint Value (1-100)%
	1 Byte	O	C R - T -	DPT_Scaling	0% - 100%	[CLCx] Dimming Value	Dimming Value (%)
131, 147	2 Bytes	I/O	C R W - -	DPT_TimePeriodSec	0 - 65535	[CLCx] Length of Detection	1-65535 s.
133, 149	1 Bit	I	C - W - -	DPT_Switch	0/1	[CLCx] Manual Control: On/Off (Input)	1-Bit Control
134, 150	4 Bit	I	C - W - -	DPT_Control_Dimming	0x0 (Detener) 0x1 (Reducir 100%) ... 0x7 (Reducir 1%) 0x8 (Detener) 0x9 (Subir 100%) ... 0xF (Subir 1%)	[CLCx] Manual Control: Relative Dimming (Input)	4-Bit Control

135, 151	1 Byte	I	C - W - -	DPT_Scaling	0% - 100%	[CLCx] Manual Control: Absolute Dimming (Input)	1-Byte Control
136, 152	1 Bit	O	C R - T -	DPT_Switch	0/1	[CLCx] Manual Control: On/Off (Output)	1-Bit Control
137, 153	4 Bit	O	C R - T -	DPT_Control_Dimming	0x0 (Detener) 0x1 (Reducir 100%) ... 0x7 (Reducir 1%) 0x8 (Detener) 0x9 (Subir 100%) ... 0xF (Subir 1%)	[CLCx] Manual Control: Relative Dimming (Output)	4-Bit Control
138, 154	1 Bit	I	C - W - -	DPT_Enable	0/1	[CLCx] Manual Control	0 = Disable; 1 = Enable
139, 155	1 Bit	O	C R - T -	DPT_Enable	0/1	[CLCx] Manual Control (Status)	0 = Disabled; 1 = Enabled
156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187	1 Bit	I	C - W - -	DPT_Bool	0/1	[LF] (1-Bit) Data Entry x	Binary Data Entry (0/1)
188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203	1 Byte	I	C - W - -	DPT_Value_1_Ucount	0 - 255	[LF] (1-Byte) Data Entry x	1-Byte Data Entry (0-255)
204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219	2 Bytes	I	C - W - -	DPT_Value_2_Ucount	0 - 65535	[LF] (2-Byte) Data Entry x	2-Byte Data Entry
220, 221, 222, 223, 224, 225, 226, 227	4 Bytes	I	C - W - -	DPT_Value_4_Count	-2147483648 - 2147483647	[LF] (4-Byte) Data Entry x	4-Byte Data Entry
228, 229, 230, 231, 232, 233, 234, 235, 236, 237	1 Bit	O	C R - T -	DPT_Bool	0/1	[LF] Function x - Result	(1-Bit) Boolean
	1 Byte	O	C R - T -	DPT_Value_1_Ucount	0 - 255	[LF] Function x - Result	(1-Byte) Unsigned
	2 Bytes	O	C R - T -	DPT_Value_2_Ucount	0 - 65535	[LF] Function x - Result	(2-Byte) Unsigned
	4 Bytes	O	C R - T -	DPT_Value_4_Count	-2147483648 - 2147483647	[LF] Function x - Result	(4-Byte) Signed
	1 Byte	O	C R - T -	DPT_Scaling	0% - 100%	[LF] Function x - Result	(1-Byte) Percentage
	2 Bytes	O	C R - T -	DPT_Value_2_Count	-32768 - 32767	[LF] Function x - Result	(2-Byte) Signed
	2 Bytes	O	C R - T -	9.xxx	-671088,64 - 670433,28	[LF] Function x - Result	(2-Byte) Float

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