

RF-KNX / TP-KNX MEDIA COUPLER

CO KNX 002



INSTRUCTIONS MANUAL

General Description

RF-KNX / TP-KNX media coupler. Bidirectional Gateway between radio-frequency devices and the KNX Bus. It allows the transmission of telegrams from the radio devices to the TP-KNX communication bus and vice versa.

Can be used with devices to control lighting, HVAC, blinds/shutters and general purpose devices.

The CO KNX 002 comes with 16 RF or TP independent channels.

The configuration is done using the ETS3 or ETS4.

The CO KNX 002 has:

A: KNX standard connecting terminal.

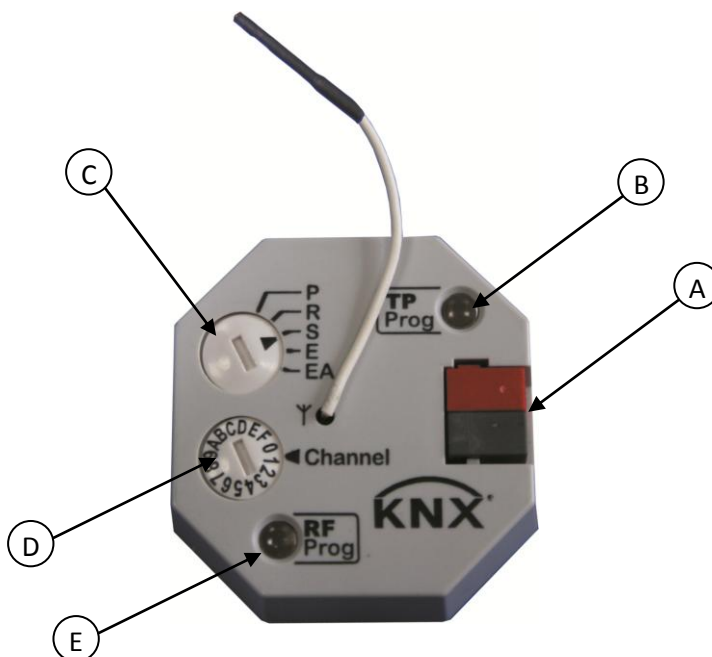
B (TP prog): green/red LED-key for the commissioning by ETS.

C: RF working mode selector switch:

- P: Link Programming.
- R: Standard operation + Repeater function.
- S: Standard operation.
- E: Erase one link.
- EA: Erase All links.

D: Channel selector (up to 16 channels: 0, 1, 2, 3, 4,...F).

E (RF prog): green/red LED-key for learning RF devices.



Technical Data

Power supply	21 ~ 32 V _{DC} (via Bus)
Power consumption	< XmA
Bus connection	Connecting terminal
Number of channels	RF-TP / TP-RF: 16 channels
TP Group address	250
TP links	250
Commissioning	ETS3 or ETS4
Communication	Bidirectional
Frequency	868,4MHz. Compatible with RF-KNX
RF telegram repetition	2 times
Range	100 meters (in the free field)
Dimensions	38 x 42 x 15mm
Working temperature	-5°C ~ +45°C
Storage temperature	-20°C ~ +70°C
Protection degree	IP20 (EN60529)
Protection class	III
Mounting	Junction box
According to the Standard	EN50090-2-2, EN50428 & EN50491
Marking	EIB/KNX

Installation and Commissioning

The CO KNX 002 media coupler has a standard terminal (A) for the connection to the Bus.

The operation of the product is subject to the configuration done using the ETS3 or ETS4. You can download the application software on our website: www.dinuy.com.

a) TP Commissioning

For installation and commissioning of the device, follow these steps:

- 1°: Connect the CO KNX 002 media coupler to the KNX Bus.
- 2°: Assign physical address and assign parameters to the application program.
- 3°: Press briefly the programming key (B). The green LED will permanently light and the device will be ready to be programmed by ETS. After the programming (30sec) the LED will flicker in red.
- 4°: Once programmed, the LED will be off.

b) RF Learning Process

In order to link the CO KNX 002 with a wireless device, follow these steps:

- 1°: Set the channel selector (D) at the corresponding position, according to the previously configured by the ETS. Choose the channel in which is going to be programmed the RF device.
- 2°: Place the mode selector switch (C) at 'P' position (link mode).
- 3°: The LED-key (E) will flicker slowly in green.
- 4°: Press briefly the LED-key (E). It will start flickering quickly in green. At this moment is ready to receive the RF signal from a RF sensor or actuator.
- 5°: Follow the instructions for programming the RF sensor or actuator to send its link code.
- 6°: If the link is successful, the LED-key (E) will flash five times in red and then it will return to blink slowly in green.
- 7°: Set the mode switch (C) to 'S' (normal operation) or to 'R' (normal + repeater). In both modes the LED-key will be in green.

b.1- Erasing a RF link (E)

In order to do a partial deletion of a link, the next steps must be followed:

- 1°: Place the mode selector switch (C) to 'E' (link erasing). The LED-key will be permanently in green.
- 2°: Press briefly the LED-key (E). It will start flickering quickly in green. At this moment is ready to receive the RF signal from a RF sensor or actuator.
- 3°: Follow the instructions for deleting the RF sensor or actuator.
- 4°: If the deletion is successful, the LED-key (E) will flash five times in red and then it will return to light permanently in green.

b.2- RF Complete Deletion (EA: Reset)

In order to do a complete deletion, the next steps must be followed:

- 1°: Place the mode switch (C) to 'EA' (Erase All). The LED-key (E) will flicker quickly in green.
- 2°: Press the LED-key (E) for longer than 4 seconds.
- 3°: If the deletion is successful, the LED-key (E) will be 4 seconds in green and then it will flicker quickly.

Project Development and Commissioning

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
LIGHT CHANNEL	SENSOR	0002h CH PB Toggle	Switch_OnOff_Status Input	Info On Off Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
		0003h CH PB Timed	Timed Start Stop output	Timed Start Stop output	1 bit	√	√	√	√	√	start/stop	Baja
		0004h CH PB Timed Info	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Timed Start Stop output	Timed Start Stop output	1 bit	√	√	√	√	√	start/stop	Baja
		0005h CH PB Dimmer	Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming Ctrl output	Relative Setvalue Control	4 bits	√	√	√	√	√	dimming control	Baja
			Dimming Ctrl output	Dimming Ctrl output	4 bits	√	√	√	√	√	dimming control	Baja
		0006h CH PB Dimmer Toggle	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming Ctrl output	Dimming Ctrl output	4 bits	√	√	√	√	√	dimming control	Baja
		0007h CH PB Scene Numbered	Scene number output	Scene number output	1 Byte	√	√	√	√	√	scene control	Baja
		0008h CH PB Scene	Scene AB Activate output	Scene AB Activate output	1 bit	√	√	√	√	√	scene A/B	Baja
			Scene AB Learn output	Scene AB Learn output	1 bit	√	√	√	√	√	state	Baja
		0009h CH Switch	Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
		000Ah CH Switch Info	Switch_OnOff_Status input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
		000Bh CH Switch Forced	Forced output	Forced output	2 bits	√	√	√	√	√	switch control	Baja
		000Ch CH Switch Dimmer	Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming Ctrl output	Relative Setvalue Control	4 bits	√	√	√	√	√	dimming control	Baja
		000Dh CH Switch Dimmer Info	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff_output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming Ctrl output	Dimming Ctrl output	4 bits	√	√	√	√	√	dimming control	Baja
		000Eh CH Switch Dimmer Toggle	Switch_OnOff_Status Input	Info On Off Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming Ctrl output	Dimming Ctrl output	4 bits	√	√	√	√	√	dimming control	Baja

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
LIGHT CHANNEL	SENSOR	000Fh CH Switch Scene Numbered	Scene number output	Scene number output	1 Byte	√	√	√	√	√	scene control	Baja
		0010h CH Switch Scene	Scene AB Activate output	Scene AB Activate output	1 bit	√	√	√	√	√	scene A/B	Baja
			Scene AB Learn output	Scene AB Learn output	1 bit	√	√	√	√	√	state	Baja
		0011h CH Light Setpoint Controller	Dimming Ctrl Input	Relative Setvalue Control	4 bits	√	√	√	-	√	dimming control	Baja
			Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja
			Forced input	Forced input	2 bits	√	√	√	-	√	switch control	Baja
			Room illumination Input	Room illumination Input	2 Bytes	√	√	√	-	√	lux (Lux)	Baja
			Scene number Input	Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja
		0012h CH Light Sensor	Dimming value output	Dimming value output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja
			Room illumination Output	Room illumination Output	2 Bytes	√	√	√	√	√	lux (Lux)	Baja
		0013h CH Motion Detector Basic	Switch_OnOff_Status input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Timed Start Stop output	Timed Start Stop output	1 bit	√	√	√	√	√	start/stop	Baja
		0014h CH Motion Detector Complex	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Enable Input	Enable Input	1 bit	√	√	√	-	√	enable	Baja
			Timed Start Stop output	Timed Start Stop output	1 bit	√	√	√	√	√	start/stop	Baja
		001Eh CH Switch Operation Mode	Operation Mode Output	Operation Mode Output	1 bit	√	√	√	√	√	on/off	Baja
		0020h CH PushButton	Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
		0029h CH PB Dimming Value	Dimming value output	Dimming value output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja
		002Ah CH Push Button Info	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Switch_OnOff output	Switch_OnOff output	1 bit	√	√	√	√	√	on/off	Baja
		002Ch CH PB Dimming Value Info	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Dimming value output	Dimming value output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja
		002Dh CH Dimming Value Info	Switch_OnOff_Status input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
			Dimming value output	Dimming value output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority	
LIGHT CHANNEL	ACTUATOR	0100h CH Status Info	Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja	
		0101h CH Binary Actuator Basic	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja	
			Switch_OnOff_Status Output	Switch_OnOff_Status Output	1 bit	√	√	√	√	√	on/off	Baja	
		0102h CH Light Actuator Complex	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja	
			Timed Start Stop Input	Timed Start Stop Input	1 bit	√	√	√	-	√	start/stop	Baja	
			Forced input	Forced input	2 bits	√	√	√	-	√	switch control	Baja	
		0102h CH Light Actuator Complex	Switch_OnOff_Status Output	Switch_OnOff_Status Output	2 bits	√	√	√	-	√	switch control	Baja	
			0103h CH Light Actuator Scene	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja
				Timed Start Stop Input	Timed Start Stop Input	1 bit	√	√	√	-	√	start/stop	Baja
		Forced input		Forced input	2 bits	√	√	√	-	√	switch control	Baja	
		Scene number Input		Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja	
		Switch_OnOff_Status Output		Switch_OnOff_Status Output	1 bit	√	√	√	√	√	on/off	Baja	
		0104h CH Light Actuator Controlled	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja	
			Operation Mode Input	Operation Mode Input	1 bit	√	√	√	-	√	on/off	Baja	
			Switch_OnOff_Status Output	Switch_OnOff_Status Output	1 bit	√	√	√	√	√	on/off	Baja	
		0105h CH Dimming Actuator Basic	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja	
			Dimming Ctrl Input	Dimming Ctrl Input	4 bits	√	√	√	-	√	dimming control	Baja	
			Dimming value Input	Dimming value Input	1 Byte	√	√	√	-	√	percentage (0..100%)	Baja	
			Switch_OnOff_Status Output	Switch_OnOff_Status Output	2 bits	√	√	√	-	√	switch control	Baja	
			Dimming value Status output	Dimming value Status output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja	

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
LIGHT CHANNEL	ACTUATOR	0106h CH Dimming Actuator Complex	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja
			Dimming Ctrl Input	Dimming Ctrl Input	4 bits	√	√	√	-	√	dimming control	Baja
			Dimming value Input	Dimming value Input	1 Byte	√	√	√	-	√	percentage (0..100%)	Baja
			Timed Start Stop Input	Timed Start Stop Input	1 bit	√	√	√	-	√	on/off	Baja
			Forced input	Forced input	2 bits	√	√	√	-	√	boolean control	Baja
			Switch_OnOff_Status Output	Switch_OnOff_Status Output	1 bit	√	√	√	√	√	on/off	Baja
			Dimming value Status output	Dimming value Status output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja
		0107h CH Dimming Actuator Scene	Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja
			Dimming Ctrl Input	Dimming Ctrl Input	4 bits	√	√	√	-	√	dimming control	Baja
			Dimming value Input	Dimming value Input	1 Byte	√	√	√	-	√	percentage (0..100%)	Baja
			Timed Start Stop Input	Timed Start Stop Input	1 bit	√	√	√	-	√	on/off	Baja
			Forced input	Forced input	2 bits	√	√	√	-	√	boolean control	Baja
			Scene number Input	Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja
			Switch_OnOff_Status Output	Switch_OnOff_Status Output	1 bit	√	√	√	√	√	on/off	Baja
		020Ah CH LightSensor Slave	Room illumination Output	Room illumination Output	2 Bytes	√	√	√	-	√	lux (Lux)	Baja
		020Bh CH Light Setpoint Controller Info	Dimming Ctrl Input	Relative Setvalue Control	4 bits	√	√	√	-	√	dimming control	Baja
			Switch_OnOff input	Switch_OnOff input	1 bit	√	√	√	-	√	on/off	Baja
			Forced input	Forced input	2 bits	√	√	√	-	√	switch control	Baja
			Scene number Input	Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja
			Switch_OnOff_Status Input	Switch_OnOff_Status Input	1 bit	√	√	√	-	√	on/off	Baja
		020Bh CH Light Setpoint Controller Info	Dimming value output	Dimming value output	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
HVAC CHANNEL	SENSOR	0024h CH Outside Temperature Sensor	TempOutside Output	TempOutside Output	2 Bytes	√	√	√	√	√	temperature (°C)	Baja
		0025h CH Room Temperature Sensor	Room Temperature Output	Room Temperature Output	2 Bytes	√	√	√	√	√	temperature (°C)	Baja
		0027h CH PB HVAC Mode	HVAC Mode Output	HVAC Mode Output	1 Byte	√	√	√	√	√	HVAC mode	Baja
		0028h CH Switch HVAC Heating Enabled	Heating Enabled Output	Heating Enabled Output	1 bit	√	√	√	√	√	enable	Baja
		002Eh CH HVAC Mode 1	HVAC Mode Output	HVAC Mode Output	1 Byte	√	√	√	√	√	HVAC mode	Baja
		0207h CH HVAC Mode Scheduler	HVAC Mode Output	HVAC Mode Output	1 Byte	√	√	√	√	√	HVAC mode	Baja
		CH PresenceHeating	Presence Heating Output	Presence Heating Output	1 bit	√	√	√	√	√	1-bit	Baja
	CH TempRoomSetpUserAbs	TempRoomSetpUserAbs Output	TempRoomSetpUserAbs Output	2 Bytes	√	√	√	√	√	temperature (°C)	Baja	
	ACTUATOR	0501h CH Heating Valve Actuator	Valve Actuator Input	Valve Actuator Input	1 Byte	√	√	√	√	√	percentage (0..100%)	Baja
0502h CH HVACMode Display		HVAC Mode Status Input	HVAC Mode Status Input	1 Byte	√	√	√	√	√	temperature (°C)	Baja	

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
COMMON CHANNEL	SENSOR	001Fh CH Logical Sensor	Logical Value Output	Logical Value Output	1 bit	√	√	√	√	√	on/off	Baja
		0021h CH Battery Status	Battery Status Output	Battery Status Output	1 bit	√	√	√	√	√	on/off, binary value	Baja
		0022h CH Smoke Detector Basic	Smoke Alarm Output	Smoke Alarm Output	1 bit	√	√	√	√	√	alarm	Baja
		0023h CH Window Door Contact Basic	Window Status Output	Window Status Output	1 bit	√	√	√	√	√	open window or door	Baja
		002Bh CH Forced Info	Switch_OnOff_Status input	Switch_OnOff_Status input	1 bit	√	√	√	-	√	on/off	Baja
			Forced output	Forced output	2 bits	√	√	√	√	√	boolean control	Baja
		System Clock Master	Date output	Date output	3 Bytes	√	√	√	√	√	date	Baja
	Time output		Time output	3 Bytes	√	√	√	√	√	time of day	Baja	
	ACTUATOR	010Eh CH Logical Actuator	Logical Value Input	Logical Value Input	1 bit	√	√	√	-	√	boolean	Baja
		0120h CH Info Adaptable	INFO_8BIT Input	INFO_8BIT Input	1 Byte	√	√	√	-	√	scene number, scene control, 1-byte, character, 8-bit unsigned value, 8-bit signed value	Baja
			INFO_16BIT Input	INFO_16BIT Input	2 Bytes	√	√	√	-	√	datapoint type version, 16-bit set, language code ISO 639-1, 2-byte unsigned, 2-byte signed, 2-byte float	Baja
			INFO_1BIT Input	INFO_1BIT Input	1 bit	√	√	√	-	√	1-bit	Baja
		0200h Logic AndOr	Logical value 1 Input	Logical value 1 Input	1 bit	√	√	√	-	√	1-bit	Baja
			Logical value 2 Input	Logical value 2 Input	1 bit	√	√	√	-	√	1-bit	Baja
			Logical value 3 Input	Logical value 3 Input	1 bit	√	√	√	-	√	1-bit	Baja
			Logical value 4 Input	Logical value 4 Input	1 bit	√	√	√	-	√	1-bit	Baja
			Logical result	Logical result	1 bit	√	√	√	√	√	1-bit	Baja
		0203 CH Scene Converter	Scene Activate Input	Scene Activate Input	1 bit	√	√	√	-	√	scene A/B	Baja
			Scene Learn Input	Scene Learn Input	1 bit	√	√	√	√	√	state	Baja
			Scene_Number Output	Scene_Number Output	1 Byte	√	√	√	√	√	scene control	Baja
System Clock Slave		Date Input	Date Input	3 Bytes	√	√	√	-	√	date	Baja	
	Time Input	Time Input	3 Bytes	√	√	√	-	√	time of day	Baja		

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
SHUTTERS AND BLINDS CHANNEL	SENSOR	0015h CH Switch Shutter	UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			Stop Output	Stop Output	1 bit	√	√	√	√	√	step	Baja
		0016h CH Switch Blind	UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			StepStop_UpDown Output	StepStop_UpDown Output	4 bits	√	√	√	√	√	blind control	Baja
		0017h CH PB Shutter	UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			Stop Output	Stop Output	1 bit	√	√	√	√	√	step	Baja
		0018h PB Blind	UpDown Output	UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			StepStop_UpDown Output	StepStop_UpDown Output	4 bits	√	√	√	√	√	blind control	Baja
		0019h CH PB Shutter Toggle	Move UpDown Input Status	Move UpDown Input Status	1 bit	√	√	√	-	√	up/down	Baja
			Move UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			Stop Output	Stop Output	1 bit	√	√	√	√	√	step	Baja
		001Ah CH PB Blind Toggle	Move UpDown Input Status	Move UpDown Input Status	1 bit	√	√	√	-	√	up/down	Baja
			Move UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
			StepStop_UpDown Output	StepStop_UpDown Output	4 bits	√	√	√	√	√	blind control	Baja
		001Bh CH Wind Alarm Sensor	Wind detected output	Wind detected output	1 bit	√	√	√	√	√	alarm	Baja
		001Ch CH Rain Alarm Sensor	Rain Alarm Output	Rain Alarm Output	1 bit	√	√	√	√	√	alarm	Baja
		001Dh CH Frost Alarm Sensor	Frost Alarm Output	Frost Alarm Output	1 bit	√	√	√	√	√	alarm	Baja
		002Fh CH PB Shutter 1	UpDown Output	Move UpDown Output	1 bit	√	√	√	√	√	up/down	Baja
Stop Output	Stop Output		1 bit	√	√	√	√	√	step	Baja		

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
SHUTTERS AND BLINDS CHANNEL	ACTUATOR	0108h CH Shutter Actuator Basic Wind	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Wind detected input	Wind detected input	1 bit	√	√	√	-	√	alarm	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja
		0108h CH ShutterBlinds Actuator Basic Wind	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Wind detected input	Wind detected input	1 bit	√	√	√	-	√	alarm	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja
		010Ah CH Shutter Actuator Basic Rain	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Rain alarm input	Rain alarm input	1 bit	√	√	√	-	√	alarm	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja
		010Bh CH ShutterBlinds Actuator Basic Rain	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Rain alarm input	Rain alarm input	1 bit	√	√	√	-	√	alarm	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja
		010Ch CH ShutterBlinds Actuator Basic	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Wind detected input	Wind detected input	1 bit	√	√	√	-	√	alarm	Baja
			Rain alarm input	Rain alarm input	1 bit	√	√	√	-	√	alarm	Baja
Move UpDown Output Status	Move UpDown Output Status		1 bit	√	√	√	√	√	up/down	Baja		

Channel Type	Sensor / Actuator	Channel	Object Number	Object Function	Length	C	R	W	T	U	Data Type	Priority
SHUTTERS AND BLINDS CHANNEL	ACTUATOR	010Dh CH ShutterBlinds Actuator Scene	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Forced Input	Forced Input	2 bits	√	√	√	-	√	switch control	Baja
			Wind detected input	Wind detected input	1 bit	√	√	√	-	√	alarm	Baja
			Rain alarm input	Rain alarm input	1 bit	√	√	√	-	√	alarm	Baja
			Scene number Input	Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja
		0480h CH ShutterBlinds Actuator Scene 1	Move UpDown Input	Move UpDown Input	1 bit	√	√	√	-	√	up/down	Baja
			StepStop_UpDown Input	StepStop_UpDown Input	4 bits	√	√	√	√	√	blind control	Baja
			Forced Input	Forced Input	2 bits	√	√	√	-	√	switch control	Baja
			Wind detected input	Wind detected input	1 bit	√	√	√	-	√	alarm	Baja
			Rain alarm input	Rain alarm input	1 bit	√	√	√	-	√	alarm	Baja
			Scene number Input	Scene number Input	1 Byte	√	√	√	-	√	scene control	Baja
			Move UpDown Output Status	Move UpDown Output Status	1 bit	√	√	√	√	√	up/down	Baja