TRI02SYS sarl — grande rue le village, 21160 FLAVIGNEROT

Installation and operating manual Universal smart plug receiver

Réf. 10020065, 10020066

SE: LSS10020065,LSS10020066

(EN)

1.1 Use

1. General

Universal smart plug receivers 0_2LINE 10020065 and 10020066 are used to receive Enocean's radio signals (see under the compatibility tab). They are used for switching loads, e.g. incandescent, halogen, electronic ballasts or small

motors. The receiver 0_2 LINE 10020065 matches with the french standard and the

receiver 0_2 LINE 10020066 with the german standard (Schucko).

Before any use, the transmitters must be allocated to a receiver. Each sensor or transmitter can control an unlimited number of receivers.

Note : Read the operating manual carefully before initial use.

1.2 Guarantee terms

This operating manual is an integral part of the device and our guarantee terms. It must always be delivered to the user. We reserve the right to modify the technical

design of these devices without warning. TRI0₂SYS products are manufactured and their quality checked by making use of the latest technologies and taking into account the applicable national and international directives. If nevertheless a fault

arises, $TRIO_2SYS$ undertakes to remedy the default as follows, without prejudicing the rights of the end customer that arise from the sales contract with his reseller:

If the event of exercising of a legitimate and regular right, TRIO2SYS, may at its sole discretion, rectify the device fault or supply a fault-free device. Any claim beyond this and all claims for consequential damages are excluded.

A legitimate fault exists if the device cannot be used at the time of delivery to the end customer because of a design or manufacturing defect or if its practical use is severely limited. The guarantee is void in cases of natural wear and tear, incorrect use, incorrect connection, where the device has been repaired or external influence. The period of guarantee is 24 months (from the date of invoicing). French law applies to the regulation of guarantee rights.

1.3 Recycling of the device



To recycle the device, conform to the legislation and standards in force in the country of use.

The housing is made from recyclable plastic.

2. Safety

Observe the following points:

- . The laws, standards and directives in force.
- The device operating manual.

• An operating manual can only give general instructions. They must be interpreted in the context of a specific installation.

The device is intended solely for use conforming to its purpose. Any repairs or modifications by the user are forbidden! Do not use with other devices the operation of which could endanger people, animals or property.

3. Technical characteristics]			
General characteristics				
Transmission frequency	868.3 MHZ			
Power supply	230V~/ 50 Hz			
Upstream protection	Circuit breaker C 16A max.			
Receiver category	3			
Output: 1 micro distance contact (μ) opening of contacts I _{min} =100mA	Max. μ16Α/3500W resistive (cosφ=1)			
Ambient temperature	From -10°C to +45°C			
Storage temperature	From -20°C to +80°C			
Degree of protection	IP 20			
Altitude of installation	2000m max.			
Modus of installation	Typical : wall socket (vertical position, Programmation button to the bouton to the bottom or to the top).			

Range in buildings

Masonry	20m, through 3 walls at most
Reinforced concrete	10m, through 1 wall/ceiling at most
Plasterboard / wood	30m, through 5 walls at most

Note: The signal strengh between the transmitter and the receiver decreases as the distance increases. Where there is a line of sight connection, the range is approximately 30m in corridors and 100m in large workshops or halls. The range can be increased with an 0_2 LINE repeater.

4. Installation and initial use

4.1/! Safety instructions

- Adhere to the maximum load (see Section,3)
- Do not use outside (closed areas only).
 Avoid extreme temperatures, humidity and vibrations.
- Use solely with CE-labelled sockets with ground protection.
 Do not connect to extension leads.
- · Do not stack multiple smart plugs.
- Do not insert foreign bodies into the smart plug.
- · Do not connect devices whose inadvertent activation is likely to cause a fire or other damage (e.g. convection heater, iron).
- · To clean, disconnect the smart plug from the wall socket and clean with a slightly damp cloth.
- Do not use cleaning agents or aggressive solvents.

4.2 Installation

NEVER install the receiver in a metal casing or in the immediate vicinity of large metallic objects.

· Installation on the ground or close to the ground is not recommended. Please refer to the laws, standards and directives in force of each country.

Button and LED display programmation



4.3 Initial use

· Plug the smart plug into a french or german standard wall power socket/outlet having a ground as protection.Connect the load to the outlet socket.

· Program the transmitter on the receiver (see point 5).

5. Programming

For programming the receiver must be connected to the mains (plug the smart plug into a wall socket).

The programming is conserved during a power failure.

5.1 programming mode or transmitter deletion mode



N.B.! A transmitter must not be further away than 5m from the receiver in learn mode. The receiver has a limited range !

To return to programming mode, press during 2 s on the PROGRAMMATION button. This mode is confirmed by the red blinking of the LED.

a) To associate a transmitter simply press on one of the switches or press the n **LEARN** button of a sensor. The receiver will acknowledge its recording in memory by a green blinking (2 times) of the LED.

b) To clear a transmitter simply press on one of the switches or press the LEARN button of the sensor to clear. The receiver will acknowledge its deletion from memory by red blinking (2 s) of the LED.

c) If during the programming the LED blinks (2 times) in orange, it means that the sensor is not compatible with the smart plug.



TRI02SYS sarl - grande rue le village, 21160 FLAVIGNEROT

Remarks

No transmitter is programmed in the receiver's as supplied state.

- Up to 24 switch transmitters can be allocated to each receiver without restriction on their type.

 If no button is pressed, learn mode terminates automatically after 30 s and the smart plug returns in its last state.

5.2 Clearing of all programmed transmitters

Press the **PROGRAMMATION** button during 5 s. Clearing is confirmed by the red/green blinking of the LED during 2s. The receiver returns in its initial state after this phase.

6. Control and functions

6.1 Compatible transmitters

The following transmitters can be associated with the smart plug 0_{2}LINE 10020065 and 10020066 :

Transmitter	Ref 0₂LINE	EEP Profile *
Switch	10020001 10020022	F6-02-01
Card reader	10020067	F6-04-01
Window handle	10020011	F6-10-00
Window sensor	10020032 10020042	D5-00-01
Presence detector	10020051	A5-07-XX

(*) the EEP profile is available on the following address : http://www.enocean.com

6.2 transmitters associated functions

The functions associated to different sensors are determined during the learning time. The programming procedure (see Section 5.1) must be executed before activating the transmitter(s).

Transmitter	Programming action	Function
Switch	Button 1 (or 3)	Button 1 (or 3) : ON
	pressed	Button 2 (or 4) : OFF
	Button 2 (or 4) pressed	Button 1 (or 3) : OFF
		Button 2 (or 4) : ON
Card reader	Card inserted	Card inserted: ON
		Card removed : OFF
	Card removed	Card inserted : OFF
		Card removed : ON
Window handle	Closed to open	Vasistas to opened : no change
		Opened to vasistas : pas de changement
		Closed to opened : OFF
		Opened to close: ON
	Opened to close	Vasistas to opened : no change
		Opened to vasistas :
		pas de changement Closed to opened : OFF
		Opened to close: ON
Window sensor	Press on LERAN button with	Magnet away : OFF
	magnet close to the sensor	Magnet close to the sensor : OFF
	Press on LERAN button with	Magnet away : ON
	magnet away from the sensor	Magnet close to the sensor : OFF

Presence detector ⁽¹⁾ Press on LEARN button
Detection (PIR = On) : ON
Detection (PIR = OFF) : OFF

Note (1): This profile does not transmit the PIR sensor state during the programming phase. So it is not possible to do an inversion during the programming phase.

6.3 EEP profile of smart plug.

the EEP Profile of universal smart plug receiver $0_2 \mbox{LINE}$ 10020065 and 10020066 is : D2-01-0A.

To each change of state of the output due to a short press on the programming button and/or a change of state of one of the associated sensors, a frame is send according to the profile D2-01-0A showing the change of state of the receiver.

7. Troubleshooting

7.1 New or existing installation

• Check the circuit breaker, the electrical supply and the load connection to the receiver associated with this sensor (qualified electricians).

• Check the connected load and the connecting cables (qualified electricians).

 If the receiver functions at a shorter distance relative to the sensor, it is subject to interference or used outside the transmission range.

 Search in the system environment for changes that could cause the interference (for example movement of metallic cabinets, furniture or partitions).

Use the sensor or receiver in a more suitable location.

Clear the receiver and perform a new learn process.

7.2 Automatic activation of the receiver

• the cause may be the activation of a sensor external to the system which has by chance been programmed on the receiver.

· Clear the receiver and perform a new learn process.

7.3 Limitation of the range of the radio signals
Transmitter/receiver used close to metallic objects or close to materials containing metallic elements. Observe a distance of at least 10cm.

Moisture in the materials.
Devices emitting high frequency signals such as audio and video systems, computer, electronic ballasts or fluorescent tubes. Observe a distance of at least 0.5m.

7.4 Contacts

E-mail:..... contact@trio2sys.fr

8. Déclaration of conformity

These products can be marketed and distributed in the countries of the European Union, Switzerland, Iceland and Norway. **TRI0₂SYS** hereby declares that the receivers **0₂LINE** *10020065* and *10020066* conform to the base requirements and other applicable requirements of the directive 1999/5/CE referred to as R&TTE.

For more details about the applied norms, consult the website www.trio2sys.fr



LINE

COMEOR