

Installation and operating manual Complete system M wall transmitter

Ref. 10020048.xx and 10020049.xx



1. General

1.1 Use

The wall transmitters **0₂LINE 10020048.xx** (double button) and **10020049.xx** (single button) form an integral part of the

TRIO₂SYs radio system. Radio transmission takes place at the frequency 868.3 MHz, harmonised with the European scale. They are particularly suited to non-flush mounted electrical installations, for example: renovations, changes to domestic installations or in offices with displaceable walls.

Simply press the switch button to remotely control any miscellaneous equipment via the receivers. Before any use, the switch must be associated with a receiver (see the receiver documentation for programming). Each switch can control an unlimited number of receivers.

Note:

- No batteries or maintenance required!
- 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. **TRIO₂SYs** 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, **TRIO₂SYs** 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.

2. Safety

Observe the following points:

- The laws, standards and directives in force.
- Best practice at the time of installation
- 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

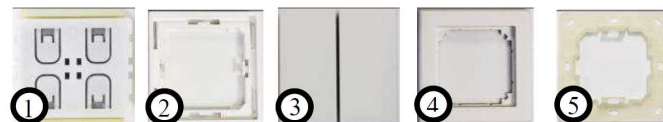
Transmission frequency	868.3 MHz
Transmission power	10 mW max.
Operating temperature	From -25°C to +65°C
Storage temperature	From -25°C to +65°C
Switching cycles	>50,000
Authentications	CE and R&TTE directive 1999/5/CE
Relative air humidity	From 0% to 95%

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 strength between the transmitter and the receiver decreases as the distance increases. Where there is a line of sight connection, the range is approximately 30 m in corridors and 100 m in large workshops or halls. The range can be increased with an **0₂LINE** repeater.

4. Installation and initial use



4.1 Installation instructions

- Do not use outside (closed environments only)
- Create a level surface before mounting on rough surfaces. Unevenness may result in switch malfunctions.
- During fitting, ensure the mounting position (**O** = top, **I** = bottom) indicated on the back of the transmitter (**1**) is observed.
- NEVER install the wall transmitter 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.

4.2 Installation

- Use the support (**5**) as a template to mark holes for drilling.
- Drill holes for 5 mm wall plugs.
- Secure the support (**5**) using screws and wall plugs (not supplied) taking care to position it as shown in the drawing.
- Position the outline (**4**) on the support (**5**)
- Clip the transmitter (**1**) on to the transmitter support (**2**)
- Clip the preceding assembly (**1+2**) on to the support (**5**)
- Clip the fingers (**3**) on to the transmitter (**1**).

4.3 Initial use

- Arrange for the installation of the receiver (must be carried out by a qualified electrician).
- Program the wall transmitter on the receiver.

Note: The wall transmitter is designed for interior use. Do not install it in locations that could be sprayed by water! To clean, use a damp cloth!

5. Troubleshooting

5.1 New or existing installation

- Check the circuit breaker, the electrical supply and the load connected to the receiver associated with this transmitter (qualified electricians).
- If the receiver functions at a shorter distance relative to the transmitter, it is subject to interference or used outside the transmission range.
- Search the system environment for changes that could cause the interference (for example movement of metallic cabinets, furniture or partitions).
- Locate the sensor or receiver in a more suitable location.
- Clear the receiver and perform a new learn process.

5.2 Automatic activation of the receiver

- The cause may be the activation of a sensor or transmitter external to the system which has by chance been programmed on the receiver.
- Clear the receiver and perform a new learn process.

5.3 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 10 cm.
- Moisture in the materials.
- Devices emitting high frequency signals such as audio and video systems, computers, electronic ballasts or fluorescent tubes. Observe a distance of at least 0.5m.

5.4 Contacts

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

6. Declaration of conformity

These products can be marketed and distributed in the countries of the European Union, Switzerland, Iceland and Norway. **TRIO₂SYs** hereby declares that the receivers **10020048.xx** and **10020049.xx** conform to the base requirements and other applicable requirements of the directive 1999/5/CE referred to as R&TTE.