



## MG-3P instructions

### 1.0. DESCRIPTION

The **MG-3P** is a coded transmitter which permits the wireless operation of traditional rolling shutter contacts and inertial switches **which have a Normally Closed contact**.

The unit may be used as a remote transmitter for any of the control panels that function with the "PEGASO" self-learning system.

The **MG-3P** may easily be positioned next to the sensor. Its reduced dimensions makes it possible to be installed in any environment and maintain a high grade of reliability.

### 2.0. BATTERY CHECKING AND REPLACEMENT

Before proceeding with the installation it is advisable to check the efficiency of the battery by pressing the red button. The intensity with which the LED lights signals the efficiency of the battery.

If the LED lights with a low intensity or flickers, replace the battery following the procedure below:

- Remove the upper housing after having removed the fastening screw.
- Replace the battery, making sure the correct polarity (see Fig. 1).
- Replace the upper housing and tighten the screw.

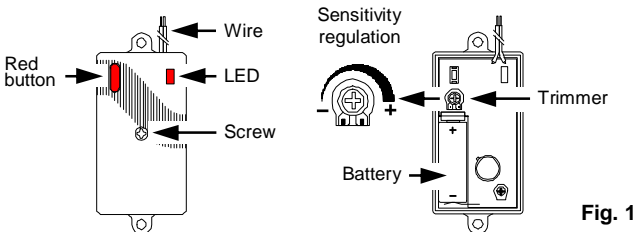


Fig. 1

### 3.0. INSTALLATION

The **MG-3P** must be positioned in close proximity of the sensor in which it is connected.

Fix the unit with the accessories supplied. The wires from the **MG-3P** must be connected to the N.C. contact of the sensor.

**ATTENTION** In order to maintain the efficiency of the transmitter, the length of the wires must not be changed.

### 4.0. SELF-LEARNING CODE

Each **MG-3P** manufactured will have a different code up to a maximum of 4 billion. To have the control units of the series "PEGASO" learn the code of a sensor, you must follow the installation instructions of the control panel being installed.

When the control panel is ready, the **MG-3P** must transmit an alarm signal by pressing the red button located on the front of the **MG-3P** (see Fig. 1).

### 5.0. FUNCTIONING - RF TEST

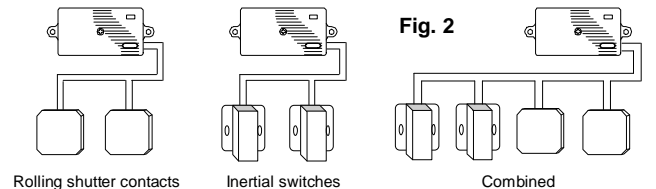
To allow that a rolling shutter contact or inertial switch becomes wireless, it is necessary to regulate the sensitivity of the **MG-3P** by increasing or reducing the sensitivity with the trimmer shown in Fig. 1.

**NOTE: The sensitivity increases rotating the trimmer clockwise.**

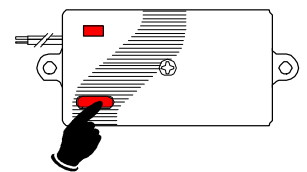
- With the trimmer totally rotated to the left (**minimum sensitivity**), the **MG-3P** goes into alarm at the **tenth impulse**.
- With the trimmer totally rotated to the right (**maximum sensitivity**), the **MG-3P** goes into alarm with the **first impulse**.

**ATTENTION** To avoid the possibility of false alarms, this regulation must not be too sensitive.

As shown below, it is possible to place in parallel more sensors and use only one **MG-3P** transmitter (see Fig. 2).



To trigger an RF Test of the **MG-3P** it is sufficient to press the red button. You will see the red LED lights up for about 2 seconds. This indicates that an RF transmission has taken place.



### 6.0. LOW BATTERY SIGNAL

The **MG-3P** is supplied with a 12 V alkaline battery incorporated.

When the **MG-3P** battery goes below 7.0 volts, the unit will send an RF transmission to indicate "Low battery" to the control panel.

To understand the full function of the "Low battery" indication, refer to the instruction manuals of the control panel installed.

### 7.0. TECHNICAL CHARACTERISTICS

- Power: 12 Vdc alkaline battery (incorporated)
- Current drain in stand-by: 1.2 microA
- Battery life (fully charged): approximately 1 year
- Minimum guaranteed transmission range: 20 metres (inside building)
- SAW resonator controlled transmitter
- Adjustable sensitivity
- SMD technology
- Available frequencies: 433.92 MHz
- Dimensions: 72x33x14 mm
- Weight: 50 g