

## 11. Learning New Tags:

- Step 1:** Put the Control Panel into Programming Mode.
- Step 2:** Remove the TG cover by losing the fixing screw.
- Step 3:** Slide the Dip Switch #1 to ON position.
- Step 4:** Press **Arm Button** to wake up the TG. The Status LED flashes slowly with a beep then followed with two beeps.
- Step 5:** Press **Arm Button** once to enter Tag Learning Mode. The Status LED lights on with one beep. A five-second standby time is activated to learn a new Tag.
- Step 6:** Put a Tag in front of the TG; the Status LED flashes quickly for three times with **two beeps** to indicate the Tag is learnt in the TG successfully. Continue to learn other new Tags in the same manner. A maximum of 6 Tags can be learnt in one TG.
- ☞ If one beep is heard, it indicates the Tag has been learnt in already.
  - ☞ If four beeps are heard, they indicate a total of six Tags have been learnt in already.
  - ☞ With each new Tag learnt, TG will extend another five-second standby period. Otherwise, press the Arm Button to re-enter Tag learning mode and start another five-second standby period.
- Step 7:** Once all Tags are learnt, slide the Dip Switch #1 down to OFF position. Both Power & Status LED's dim along with 4 beeps. The TG is in power saving mode.
- Step 8:** Fix the cover with the screw and mount back to its location.
- Step 9:** Exit the Control Panel out of Programming Mode.

## 12. Factory Default (Reset Learning Record):

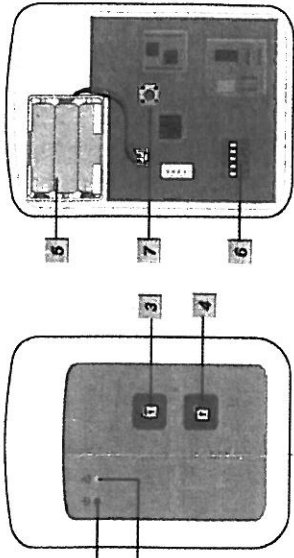
- Step 1:** Remove the cover by losing the fixing screw.
- Step 2:** Remove battery and press either ARM or DISARM button to fully discharge.
- Step 3:** Slide the Dip Switch #2 to ON position, and replace the battery. The Status LED starts to flash slowly. TG will emit a beep and followed with two beeps, to indicate the Tag learning records are cleared.
- Step 4:** Slide the Dip Switch #2 to OFF position. The Status LED stops flashing with a beep.
- ☞ Once System Reset is executed, all tag records will be cleared (cannot clear specific tags only).

# Tag Reader (TG-7/TG-8/TG-A8)

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## 1. Identifying the parts:

- 1 Power LED (Green)
- 2 Status LED (Red)
- 3 Arm Button
- 4 Disarm Button
- 5 Battery Compartment
- 6 Function Dip Switch
- 7 Tamper Switch
- 8 (Waterproof) Tag



## 2. LED Indicator:

- **Power LED (Green):**
  - When idle, both LED's are off. With any key press, the Power LED lights on for 5 seconds indicating that TG is active.
  - However if the Power LED flashes during operation instead of being on steadily, it is an indication of a low battery.
- **Status LED (Red):**
  - Rapid flashes for 2 seconds when transmitting signal.
  - Lights on when in Tag learning mode.

## 3. Power:

- TG uses 3 "AAA" 1.5V alkaline batteries as its power source. Its typical battery life is 4 years or more in a normal domestic environment.
- TG can also detect the battery status. If the battery voltage is low, the Power LED will flash during operation and the low battery signal will be sent to the Control Panel along with regular signal transmissions for the Control Panel to display the status accordingly.

## 4. Power Saving Feature:

- When idle, TG is in "power saving" mode and uses no power. It will activate and "wake-up" for 5 seconds when any key is pressed.
- After 5 seconds of inactivity, the power goes off and it returns to power saving mode.

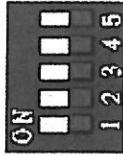
## 5. Tamper Protection:

- TG is protected against any attempt to open the lid or to detach TG from its mounting surface.
- When TG tamper is triggered, Power LED lights up with one beep, a tamper signal will be sent to the Control Panel for the Control Panel to display the status. Once the signal is sent, TG returns to power saving mode.
- Tamper protection is disabled while in Learning Mode.

## 6. Function Switch Block

Carefully slide the protective cover exposing the switch block set that consists of 5 switches marked (1 - 5) from left to right. A switch in the up position indicates the (ON) Mode. Likewise, a switch in the down position indicates the (OFF) Mode. Switch function table is below:

Dip Switch Number	Switch Position	Description
Dip Switch #1	ON	Learning Mode
	OFF	Normal Operation (Default)
Dip Switch #2	ON	Factory Default (Reset Tag Learning Record)
	OFF	Normal Operation (Default)
Dip Switch #3	OFF	System Setting <u>MUST stay as OFF in order to be compatible with Control Panels</u>
Dip Switch #4	OFF	Reserved
Dip Switch #5	OFF	Reserved



## 7. Getting Started:

- Step 1.** Remove the cover by losing the fixing screw.
- Step 2.** Insert 3 AAA alkaline batteries into the battery compartment taking care that the connection respects to correct polarity showing on the battery compartment. While the 3 batteries are inserted, the Power LED indicator will turn on along with one beep.
- Step 3.** Slide the Dip Switch #1 to ON position to enter learning mode. The Status LED flashes slowly with two beeps.
  - ☞ When no button is pressed or no signal is received within 5 minutes, TG will leave learning mode and emit 4 beeps to inform the user. To enter the Learning mode again, slide the Dip Switch #1 to OFF and then up to ON position again.

### Step 4. Adding Tag into the TG:

- (a) Press **Arm Button** once to enter Tag Learning Mode. The Status LED lights on with one beep. A five-second standby time is activated to learn a new Tag.
- (b) Put a Tag in front of the TG; the Status LED flashes quickly for three times with **two beeps** to indicate the Tag is learnt in the TG successfully. Continue to learn other new Tags in the same manner. A maximum of 6 Tags can be learnt in one TG.
  - ☞ If one beep is heard, it indicates the Tag has been learnt in already.
  - ☞ If four beeps are heard, they indicate a total of six Tags have been learnt in already.
  - ☞ With each new Tag learnt, TG will extend another five-second standby period. Otherwise, press the Arm Button to re-enter Tag learning mode and start another five-second standby period.

### Step 5. Adding TG into the Control Panel:

- (a) Navigate the Control panel into "Device +/-" menu and select the "Add Devices" sub menu.
- (b) Press **Disarm Button** once when Control Panel shows "Push Button On Device to Add". Control Panel will show "Remote Keypad" or "TG" (depending on the Control Panel series). Then, the TG LED will flash quickly along with a beep to indicate that it is functioning normally and a radio signal is successfully transmitted.
- (c) Refer to the operation manual of your control Panel under the section of "Device +/-" to complete the learn-in process.

**Step 6.** Slide the Dip Switch #1 down to OFF position. Both Power & Status LED's dim along with 4 beeps. The TG is in power saving mode.

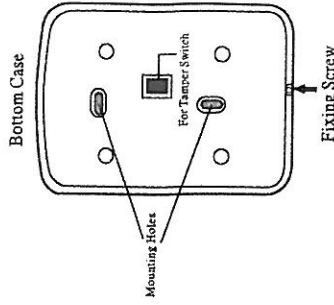
**Step 7.** Navigate the Control Panel into "Walk Test" mode. Hold the TG in the desired location, and press the Disarm Button to confirm this location is within signal range of the Control Panel.

**Step 8.** When you are satisfied that the TG works in the chosen location, you can proceed to mount the TG by following the below steps.

## 8. Mounting TG:

The TG consists of a two-part design made up of a cover and base. The cover contains all the electronics and the base provides a mean of fixing. A PCB tamper switch protects the enclosure from being opened or being removed from the mounting surface. The base has four knockouts where the plastic is thinner for mounting purpose. To mount the TG:

- I. Remove the fixing screw at the bottom
- II. Remove the cover assembly
- III. Break through the appropriate knockouts on the base
- IV. Use the Mounting holes of the base as a template, drill holes in the surface
- V. Insert the wall plugs if fixing into plaster or brick
- VI. Screw the base into the wall plugs
- VII. Fix the cover with the screw and clips to the base



### <NOTE>

☞ Ensure that the tamper switch spring protruding through the back is fully depressed by the mounting surface.

## 9. Operation:

After Installation and Mounting Procedures are completed, the TG is in Operation Mode.

- a) TG is usually in power saving mode, it will wake-up by any button pressing or tamper trigger.
- b) To arm / disarm the system:
  - Press the ARM or DISARM button once, the TG wakes-up, Power LED lights up with one beep, and waits for reading Tags.
  - Put a Tag near the TG within 5 sec, Status LED lights up for 2 sec with one beep, and transmit arm/disarm signal to the Control Panel.
  - ☞ If a Tag is not read within 5 seconds, press ARM or DISARM button again to activate another 5 seconds.
- c) When Tamper is triggered in operation mode, the TG will transmit tamper alarm signal to the Control Panel immediately and returns to power saving mode.

## 10. Changing Battery:

- Step 1:** Put the Control Panel into Programming Mode.
- Step 2:** Remove the TG cover by losing the fixing screw.
- Step 3:** Remove the old batteries.
- Step 4:** Press either ARM or DISARM button to fully discharge.
- Step 5:** Insert new batteries, the Power LED indicator will turn on along with one beep.
- Step 6:** Fix the cover with the screw and mount back to its location.
- Step 7:** Exit the Control Panel out of Programming Mode.