

MDT-122 S

RF / IR Man-Down Transmitter

SpiderAlert®

User's Guide

1. INTRODUCTION

The MDT-122 S is an automatic personal security transmitter. This micro-processor controlled transmitter is designed for use by guards in a prison, by security officers in an organization or institution, or by employees in a large industrial complex (as an industrial safety device). The unit is a part of the SpiderAlert® network. The transmitter is activated in the following events:

1. PANIC

When the guard needs help, he presses both buttons (pushing both buttons is required to prevent an accidental panic message transmission).

2. MANDOWN

When the guard falls down (automatic transmission when the unit is tilted by more than 60°).

3. PULL-CORD

The MDT-122 S automatically transmits a pull-cord alarm:

- A. When the unit is forcibly pulled from the holder and the pull cord is detached from the holder's belt
- B. When the unit is intentionally pulled by the holder (emergency event) and the pull cord is detached from his belt.

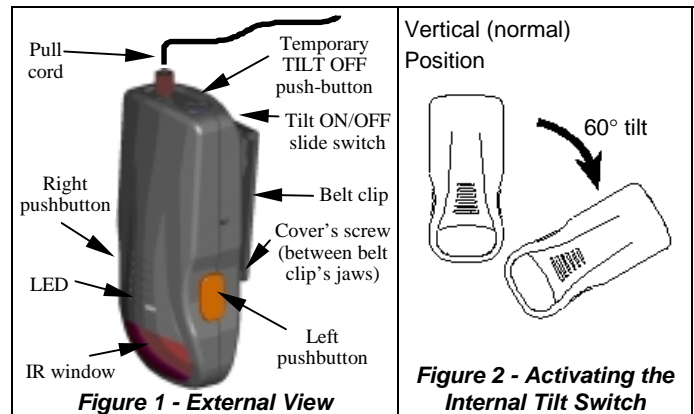
4. TAMPER

When the transmitter is opened by an unauthorized person.

5. LEFT OR RIGHT BUTTON

When the guard presses the left or right push-button, an attendance message is sent to the security main station (confirming that he is not attacked) and the unit is also tested (the LED is lit).

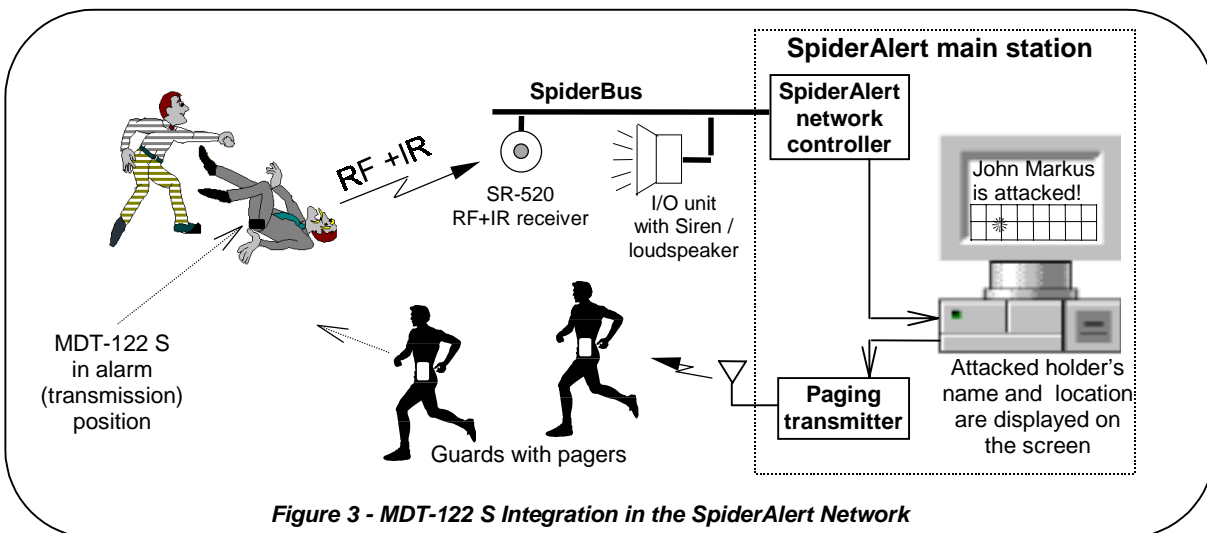
When activated, the transmitter delivers an identifiable alert message (one of various messages, according to the events predetermined priority) to the main security station.



When the transmitter is activated, the holder's name and exact location are displayed on main security station screen (according to the SpiderAlert® network programming) and a siren and/or audible alarm are activated, to provide the necessary help (see figure 3).

The transmitter is attached to the user's belt with a clip like a pager, or inside a pouch / holster and connected with a pull cord to the guard's belt.

The transmitter is not activated during the guard's regular daily activities (running, jumping, sitting, bending, removing cloths, going to bathroom and going off and on duty).



4. USING THE MDT-122 S

4.1 Initial Functions

When the MDT-122 S leaves the factory, the internal battery contact (+) is covered by an isolation foil. To make the unit operational, perform the following actions:

- 1st. Press the belt clip, by your hand, to gain access to the MDT-122 S cover's screw (see figure 1).
- 2nd. Remove the cover Philips screw.

3rd. Press (with your finger) at the center of the top side (on the TEMP TILT OFF inscription) and carefully open the front cover.

Caution: When opening the MDT-122 S, the IR LEDs should not be touched, to prevent their movement. If the IR LEDs are moved, the IR beams may not be directed towards the IR window and as a result the IR transmission range might be reduced.

- 4th. Pull out the isolation foil that is inserted between the battery to the battery holder (+) pole.
- 5th. Change DIP switches positions as desired (see table 1).
- 6th. Put the unit's cover on its place.
- 7th. Press the belt clip, by your hand, to gain access to the cover's screw hole.
- 8th. Insert the cover screw and secure it with a Philips screw-driver.

4.2 Individual or Shift Rotated Units

The MDT-122 S can be used as:

A. Individual Transmitter

When the MDT-122 S is used as a personal transmitter for each guard:

- One. There is only one responsible guard for the transmitter and therefore it is better handled.
- Two. It is not necessary to update the holder name every shift.
- Three. There is no need for check-in and check-out for the transmitter turn over.

B. Shift-rotated transmitter

When the MDT-122 S is turned over among holders in different shifts:

- One. There is saving on units quantities.
- Two. The turn-over action should be controlled by a dedicated person
- Three. It is necessary to update the guard's name on the software, whenever the unit is turned over to another guard

4.3 Using the Pull Cord Alarm Option

If it is desired to disable the pull cord option, it is necessary to move the internal DIP switch number 2 to OFF position, as described in section 3.5 (default position is ON).

4.4 Selecting Other Desired Options

Select the buzzer ON/OFF, supervision ON/OFF, supervision message type, pre-tilt alarm and tilt alarm delay ON/OFF options, as detailed in section 3.5.

5. MAINTENANCE

No maintenance is required for the MCT-122 S, except replacement of the internal battery.

The battery is automatically tested every 1 hour. If the battery voltage is low, a "low battery" warning message is automatically included in every transmission and the unit's LED indicator flashes (while pressing the left or right push-button switch) until the battery is replaced.

Replace the 3.6 V Lithium battery, as follows (see fig. 6):

- 1st. Open the unit's cover, as described in paragraph 4.1A - 4.1C.
- 2nd. Remove the old battery and install a new one. Verify that the battery poles (+) and (-) are located as marked on the battery housing.
- 3rd. Close the unit's cover, as described in paragraph 4.1F - 4.1H.

4th. Use moderate pressure to close the cover, with your fingers, until its snaps shut.

5th. Secure the front cover with its screw.

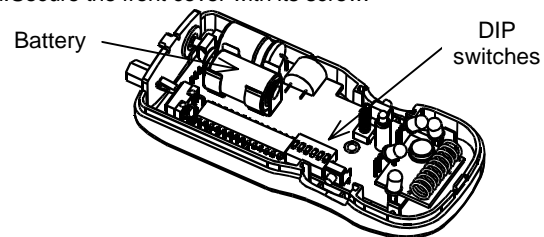


Figure 6 - Isometric view (opened unit)

6. Product Limitations

Visonetix wireless systems are very reliable and are tested to high standards. However, due to low transmitting power and limited range (required by FCC and other regulating authorities), there are some limitations to be considered:

- 1st. Receivers may be blocked by radio signals occurring on or near their operating frequencies, regardless of the digital code used.

- 2nd. Wireless equipment should be tested regularly to determine whether there are sources of interference and to protect against faults.

WARRANTY

Visonetix Ltd., and its affiliates, (hereinafter collectively referred to as "the Manufacturer") warrants its products (hereinafter referred to as "the Product") to be free of defects in materials and workmanship under normal operating conditions and use for a period of one year from the date of shipment by the Manufacturer. The Manufacturer's obligations shall be limited within the warranty period, at its option, to repair or to replace the defective Product or any defective component or part thereof. To exercise this warranty, the product must be returned to the manufacturer freight prepaid and insured.

This warranty does not apply to repairs or replacement caused by improper installation, Product misuse, failure to follow installation or operating instructions, alteration, abuse, accident, tampering, repair by anyone other than the Manufacturer, external causes, and failure to perform required preventive maintenance. This warranty also does not apply to any products, accessories, or attachments used in conjunction with the Product, including batteries, which shall be covered solely by their own warranties, if any. The

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The Manufacturer shall have no liability for any damages, including without limitation, any direct, indirect, incidental, special, or consequential damages, expenses, costs, profits, lost savings or earnings, or other damages arising out of the use of the Product or the removal, installation, reinstallation, repair or replacement of the Product or any related events. In the event that there is any liability against the Manufacturer, such liability shall be limited to the purchase price of the Product which amount shall be fixed as liquidated damages.

The purchaser and user understand that this Product may be compromised or circumvented by intentional acts; that the Product will not in all cases prevent death, personal injury, property damage, or other loss resulting from burglary, robbery, fire or other causes; and that the Product will not in all cases provide adequate warning or protection. The purchaser

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The Manufacturer shall not, under any circumstances whatsoever, be liable for any inaccuracy, error of judgment, default, or negligence of the Manufacturer, its employees, officers, agents, or any other party, or of the purchaser or user, arising from any assistance or communication of any kind regarding the configuration, design, installation, or creation of security system involving the Product, that being the responsibility of the purchaser or user.

If the Manufacturer is unable to make such repair or replacement, the Manufacturer's entire liability shall be limited to the cost of a reasonable substitute product.

and user also understand that a properly installed and maintained alarm may reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such events will not occur or that there will be no death, personal injury, property damage, or other loss as a result of such events.

By purchasing the Product, the purchaser and user shall defend, indemnify and hold the Manufacturer, its officers, directors, affiliates, subsidiaries, agents, servants, employees, and authorized representatives harmless from and against any and all claims, suits, costs, damages, and judgments incurred, claimed, or sustained whether for death, personal injury, property damage, or otherwise, because of or in any way related to the configuration, design, installation, or creation of a security system involving the Product, and the use, sale, distribution, and installation of the Product, including payment of any and all attorney's fees, costs, and expenses incurred as a result of any such events.

The purchaser or user should follow the Product installation and operation instructions and test the Product and the entire system at least once each week. For various reasons, including but not limited to changes in environmental conditions, electric, electronic, or electromagnetic disruptions, and tampering, the Product may not perform as expected. The purchaser and user are advised to take all necessary precautions for the protection and safety of persons and property.

This statement provides certain legal rights. Other rights may vary by state or country. Under certain circumstances, some states or countries may not allow exclusion or limitation of incidental or consequential damages or implied warranties, so the above exclusions may not apply under those circumstances and in those states or countries.

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Any questions about this statement should be directed to the Manufacturer.

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