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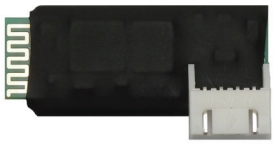


BT-LINK-S2

WIRELESS BT MODULE FOR SENSOR PROGRAMMING THROUGH VIEW SENSOR SOFTWARE

INSTALLATION AND USE MANUAL

20.01-M:3.0

BT-LINK-S2 is an accessory for outdoor sensors series (VIPER, VIPER-DT, MOSKITO, KAPTURE), which allows the use of the VIEW SENSOR software on a mobile device in BT wireless connection with the DUEVI sensor.
VIEW SENSOR is the innovative application developed on Android platform that facilitates the installation of outdoor sensors.
VIEW SENSOR allows you to adjust the sensor optimally to better define the area you want to protect, minimizing improper alarms. The application allows you to perform a walk-test completely innovative: through the BT wireless connection you can view on the field and in real time on your ANDROID device the level of signal perceived by the individual sensor heads, as well adjust the sensor without having to intervene manually on the sensor.
The following components are required to use the VIEWS SENSOR software:

- Sensor compatible with the BT-LINK module:
  - VIPER all models FW version 1.5 or higher
  - VIPER-DT, MOSKITO+, KAPTURE all models
- BT-LINK-S2 module
- Android device with VIEW SENSOR software

BEFORE INSTALLING THE SYSTEM READ CAREFULLY ALL THE PARTS OF THIS MANUAL.
KEEP THIS MANUAL FOR FUTURE CONSULTATIONS.

THE MANUFACTURER IS NOT LIABLE IN CASE OF IMPROPER USE OF THE PRODUCT, ANY INSTALLATION OR FAILURE TO OBSERVE THE INDICATIONS OF THIS MANUAL AND THE FAILURE TO OBSERVE THE LEGISLATION RELATED TO ELECTRICAL SYSTEMS.

1. VIEW SENSOR SOFTWARE INSTALLATION

Download the application available on GOOGLE PLAY (compatible from Android version 5.1)

THE GRAPHICAL INTERFACE OF THE VIEW SENSOR SOFTWARE MAY SUFFER VARIATIONS ACCORDING TO THE FUNCTIONS OF THE CONNECTED SENSOR AND THE EVOLVING OF THE SENSOR CHARACTERISTICS.

2. CONNECTION OF THE BT-LINK-S MODULE

To change the sensor settings using VIEW SENSOR, place the dip dedicated to remote programming in ON (refer to the sensor manual).

LEAVE THE REMOTE PROGRAMMING DIP ON ON THE SENSOR ONCE THE CONFIGURATION HAS BEEN COMPLETED THROUGH THE VIEW SENSOR SOFTWARE TO KEEP THE SETUP SET BY VIEW SENSOR ACTIVE.

There are two ways to connect the BT-LINK to the sensor:

Quick mode ONLY FOR BATTERY SENSORS (PnP):
Compatible with the latest sensors **in the battery powered versions (see Table 1)** it consists in the possibility of inserting the BT-LINK with the sensor switched on. The sensor automatically detects the presence of BT-LINK and restarts with the BLUE alarm LED ON. At the end of the session it is sufficient to extract BT-LINK and the sensor restarts in normal mode.

Classic mode MANDATORY ON WIRED SENSORS:
Compatible with all sensors:

To connect BT LINK:
- Disconnect the sensor if powered.
- Connect BT-LINK to the sensor
- Power up the sensor

To disconnect BT LINK:
- Switch off the sensor
- Disconnect BT LINK from the sensor

If BT-LINK is appropriately connected and in communication with the sensor, during the start-up phase the BLUE alarm LED remains on for a few seconds, until the heads stabilize (a process accompanied by the red LEDs flashing).

The PnP connection and disconnection mode is compatible starting from the FW version indicated in the table:

Sensor	FW version
VIPER R, VIPER R868, VIPER K	1.15
VIPER DT R, VIPER DTR 868, VIPER DT K	1.12
KAPTURE R, KAPTURE R868, KAPTURE K	1.3

Table 1 - PnP compatibility

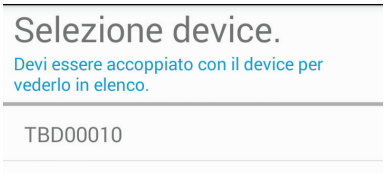
ATTENTION: On wired sensors it is mandatory to connect and disconnect BT LINK S2 without power supply connected

3. ASSOCIATION OF THE BT MODULE

Associate BT-LINK with the device on which the VIEW SENSOR software has been installed: access the BT settings of the device, perform a scan and associate the BT-LINK module (identified with the abbreviation TBD followed by 5 digits).
The BT security code of the module is “1234”.
Now BT-LINK and the device are paired and you can proceed to use the VIEW SENSOR software.

4. CONNECTION TO THE BT MODULE

- Start the VIEW SENSOR application on your device.
- Click on the name of the previously associated BT-LINK module (visible on the label of the module).
- Wait a few seconds for the connection to take place.



5. WALK-TEST

After closing the sensor cover it is possible to start the WALK TEST. The diagram shows separately the signal level perceived by the upper and lower head of the sensor. If the signal perceived by the heads is not considered alarm, the signal bars are colored green. If the perceived signal would be sufficient to generate an alarm but the conditions that determine an alarm are missing, for example the confirmation of the other head, or the active anti-disturbance, the bars are orange, in case of alarm the bars become red and the background turns blue.

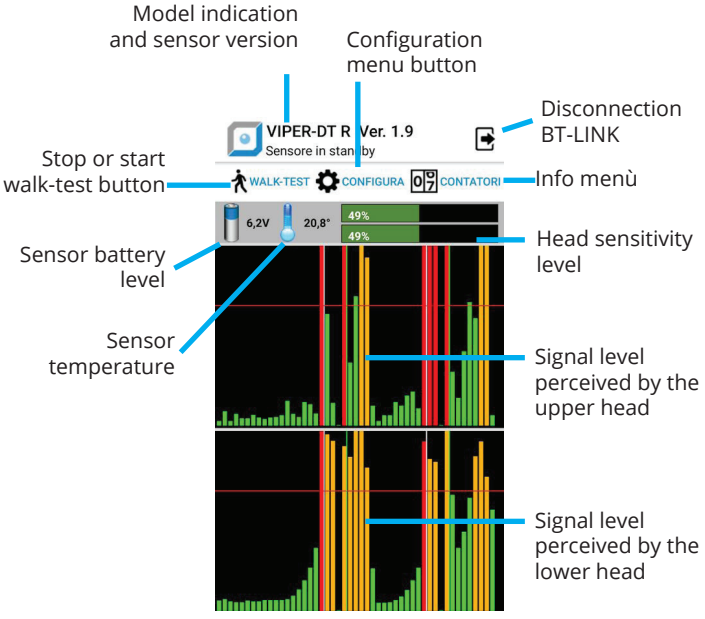


Figure 1 - No detection

Through the VIEW SENSOR application it is possible to view in real time which events send the sensor into alarm.
Thanks to this tool it is possible to perform an optimal installation of the sensor, avoiding improper alarms due to incorrect sensor positioning (eg near disturbing elements that generate alarms), incorrect orientation of the heads or incorrect setting of the sensor. sensitivity.
The following figures show the display of a walk test (Figure 2) and the occurrence of the sensor ALARM condition (Figure 3).
The sensor alarm condition is notified by changing the background color of the diagram which changes from black to blue.

TO CONFIGURE THE SENSOR IT IS NECESSARY TO STOP THE WALK TEST

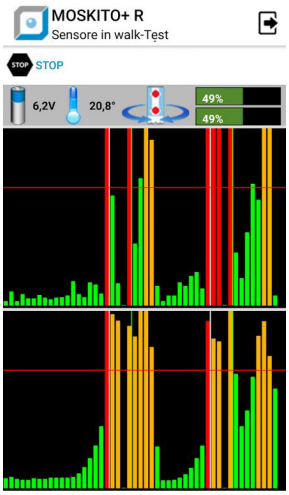


Figure 2 - Head detection

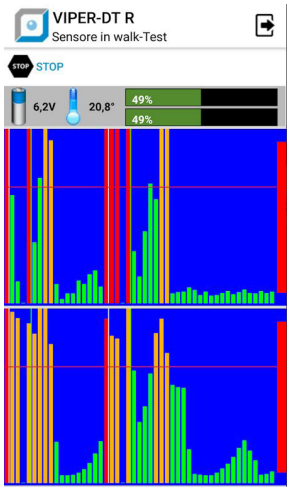


Figure 3 - Sensor alarm

6. SETUP

From the **STOP** condition, press the **SETUP** button from the main page to access the sensor configuration (Figure 4).

Figure 4 - Sensor setup

To setup the sensor using VIEW SENSOR, place the dip dedicated to remote programming in ON (refer to the sensor manual).
For more information on sensor settings, refer to the installation manual.

7. INFO

From the STOP condition, press the **INFO** button from the main page to access the sensor counters (Figure 5).

	TOTALI	PARZIALI
Allarmi	230	0
Allarmi Testina superiore (PIRO)	420	0
Allarmi Testina Inferiore (MW)	230	0
Tamper	0	0
Supervisioni	3.940	0
Antimasking	0	0
Led blu	230	0
Batteria bassa	0	0

Figure 5 - Event counters

The INFO page allows you to view the internal non-volatile memory of the counters of all the reports made by the sensor during its lifetime.

The counters are of two types:
- TOTAL COUNTERS, which cannot be reset
- PARTIAL COUNTERS, which can be reset by the installer for time-limited diagnoses

This is a sensor diagnostic tool that allows you to track activity.

8. BT-LINK-S2 MODULE DISCONNECTION

Quick Mode (PnP):
At the end of the session, press the disconnect button (FIG.1) and extract BT-LINK. The sensor restarts in normal mode.

Classic mode:
- Turn off the VIEW SENSOR application
- Remove power from the sensor.
- Disconnect the BT-LINK-S2 from the sensor
- Power the sensor and close the cover

The sensor is now ready for use.