

RDR-1

External Proximity Reader



Installation Instructions

1. Introduction

The RDR-1 is an External Proximity Reader, compatible with the Tag-in-a-Bag™ (TIAB) access control system. The system is designed to limit access to restricted areas, while permitting authorized people to enter. The integration of the external reader in the TIAB system is shown in figure 1.

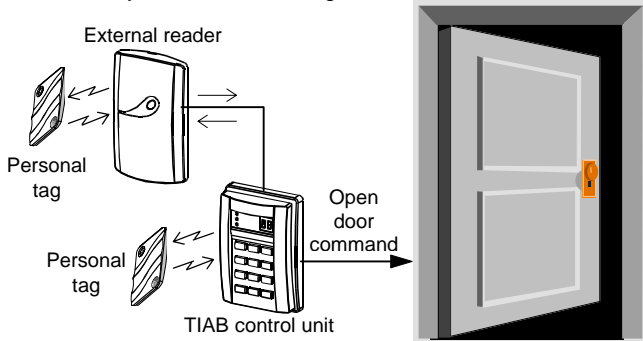


Figure 1 - Integration of External Reader in TIAB System

The TIAB has an internal proximity tag reader. For installations in which an additional tag reader is required, the external reader RDR-1 (figure 2) can be used.

The external reader is connected to the TIAB control unit by 4 color-coded wires.

When presenting a personal tag to the external reader, the tag transmits a coded RF signal back to the reader and the reader communicates the received data to the TIAB..

It is recommended to install it on a wall outside the protected area, and the TIAB control unit inside the protected area.

For information about the TIAB system, refer to the TIAB user's guide and installation instructions documents.

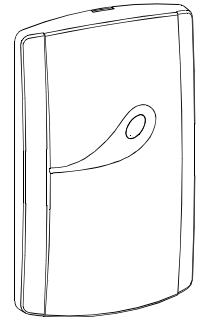


Figure 2 - RDR-1 External Reader

2. SPECIFICATIONS

Indicators: Tri-color LED (green, red, amber).

Tag reading range: 50 - 100 mm (2 -4 in.)

Internal tag reader frequency: 125 kHz.

Tag code possibilities: 10¹² possible combinations.

Dimensions (L x W x D): 116 x 70 x 16.8 mm (2 3/4 x 4 1/2 x 5/8 in.)

Weight: 121.5 g (4.3 oz)

Color: Dark gray

RDR-1 to TIAB control unit maximum cable length: 10 m (32 ft.)

Minimum distance between TIAB control unit and the RDR-1: 61 cm (2 ft.)

Compliance with standards: Complies with Part 15 of the FCC Rules and RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

3. MOUNTING

CAUTION: The distance between the TIAB control unit and the RDR-1 should be at least 61 cm (2 ft.), to ensure proper operation.

A. Insert a screwdriver, into the recess at the bottom or top of the case (see figure 3), and separate the cover from the reader.

B. Place the base on the installation surface, mark 2 screw holes, drill the holes and insert plastic anchors, if necessary.

C. Fasten the base to the mounting surface, using 2 screws.

D. Replace the reader's cover.

NOTE: Make sure that the cover is aligned with the reader, as shown in figure 3, to enable the LED to be visible.

4. WIRING

The external reader has an integral color-coded, 4-wire cable. Connect the wires to the terminal strip of the TIAB control unit, as shown in figure 4.

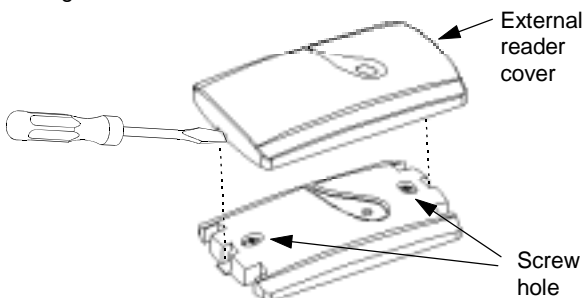


Figure 3 - Separating the External Reader Cover

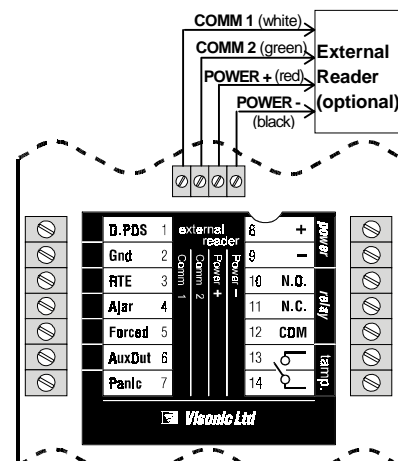


Figure 4 - Wiring Diagram

WARRANTY

Visonic Ltd. and/or its subsidiaries and its affiliates ("the Manufacturer") warrants its products hereinafter referred to as "the Product" or "Products" to be in conformance with its own plans and specifications and to be free of defects in materials and workmanship under normal use and service for a period of twelve months 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 replace the product or any part thereof. The Manufacturer shall not be responsible for dismantling and/or reinstallation charges. To exercise the warranty the product must be returned to the Manufacturer freight prepaid and insured.

This warranty does not apply in the following cases: improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, and repair by anyone other than the Manufacturer.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express or implied, including any warranty of merchantability or fitness for a particular purpose, or otherwise. In no case shall the Manufacturer be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties whatsoever, as aforesaid.

This warranty shall not be modified, varied or extended, and the Manufacturer does not authorize any person to act on its behalf in the modification, variation or extension of this warranty. This warranty shall apply to the Product only. All products, accessories or attachments of others used in conjunction with the Product, including batteries, shall be covered solely by their own warranty, if any. The Manufacturer shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, caused by the malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Products.

The Manufacturer does not represent that its Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the Product will in all cases provide adequate warning or protection. User understands that a properly installed and maintained alarm may only reduce the risk of events such as burglary, robbery, and fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no death, personal damage and/or damage to property as a result.

The Manufacturer shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the Product failed to function.

However, if the Manufacturer is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, the Manufacturer's maximum liability shall not in any case exceed the purchase price of the Product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Manufacturer.

Warning: The user should follow the installation and operation instructions and among other things test the Product and the whole system at least once a week. For various reasons, including, but not limited to, changes in environmental conditions, electric or electronic disruptions and tampering, the Product may not perform as expected. The user is advised to take all necessary precautions for his /her safety and the protection of his/her property.

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