

### 1. INTRODUCTION

The RDM-2 (Mullion type) and RDR-2 are external proximity readers, compatible with the Prox-in-a-Box (PIAB) access control system. The system is designed to limit access to restricted areas, while permitting authorized people to enter.

The readers are 26-bit Wiegand compatible proximity readers and can be used with any other compatible access control system.

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

Proximity access cards or tags are used as keys to open these doors. When in the presence of the readers, the access card emits a coded RF signal that is read by the proximity reader.

The RDR-2/RDM-2 then forwards this signal to the PIAB control unit. The control unit verifies that the card is valid and makes the decision as to whether it should energize an output relay that releases the lock. All activity involving the proximity readers is recorded and logged.

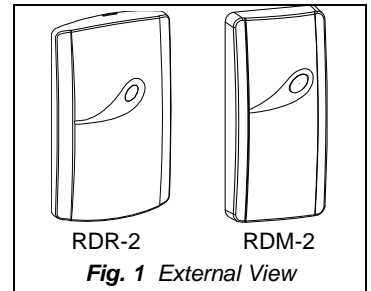


Fig. 1 External View

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

### 2. SPECIFICATIONS

**Format:** 26-bit Wiegand serial communication

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

**Frequency:** 125 kHz

**Tag reading range:**

**RDR-2:** 50 - 100 mm (2 - 4 in.)

**RDM-2:** 40 - 80 mm (1 - 3 in.)

**Current Drain:** Nominal 50mA, Max. 70mA @12VDC

**Operating temperature:** -20°C to 50°C (-4°F to 122°F)

**Dimensions (L x W x D):**

**RDR-2:** 116 x 70 x 16.8 mm (4 - 1/2 x 2 - 3/8 x 5/8 in.)

**RDM-2:** 94 x 43 x 16 mm (3.7 x 1.7 x 0.6 in.)

**Cable (to PIAB control unit) maximum length:**

6-conductor cable

22 AWG up to 60 m (200 ft)

18 AWG up to 100 m (320 ft)

**Minimum distance between readers:** 60 cm (2 ft)

**Environmental Protection (Solids, Liquids, Impact):** IP677

**Weight:**

**RDR-2:** 121.5 g (4.3 oz)

**RDM-2:** 105 g (3.7 oz)

**Color:** Metallic brown (option - white)

### 3. MOUNTING

Mount the proximity reader outside the door on the wall or door frame. The RDR-2/RDM-2 comes with a 1m (3 ft) wire lead.

**To mount the proximity reader:**

- Insert a screwdriver into the recess at the bottom or top of the case, and separate the cover from the reader.
- Place the base on the installation surface, mark two screw holes, drill the holes, and insert plastic anchors, if necessary.

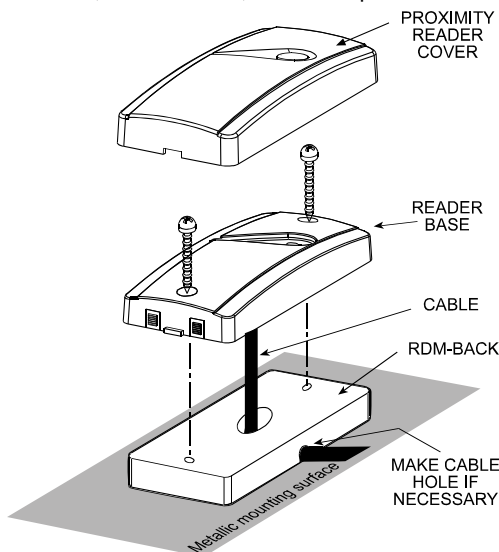


Figure 2. RDM-2 Mounting

- Fasten the base to the mounting surface, using two screws.
- Replace the reader's cover, ensuring that the cover is aligned with the reader. This enables the LED to be visible.

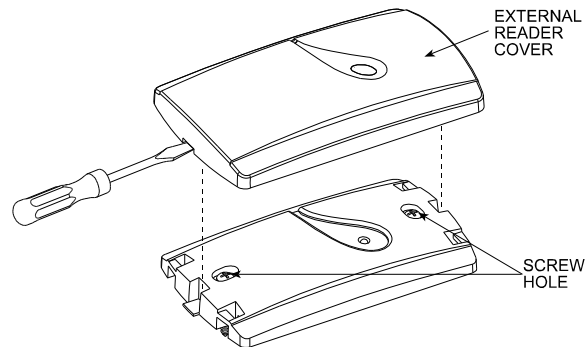


Figure 3. RDR-2 Mounting

**Note:** Do not install the RDR-2/RDM-2 on a metal surface or a metal door frame, since this decreases the read range significantly. If you have to install the reader on a metal surface, use a spacer so that the reader will be at least 1 cm (3/8 in.) away from the metal. You may use RDR BACK (for RDR-2) or RDM-BACK (for RDM-2) which is an optionally available spacer made specifically for this purpose.

**Note:** When installing more than one reader, the distance between the readers should be at least 60 cm (2 ft.), to ensure proper operation.

## 4. WIRING

RDR-2/RDM-2 proximity readers are connected to the control unit via a six-wire cable. The standard cable is color-coded. Use a cable with the same colors to avoid mistakes in connection. Connect each proximity reader to the reader sections on the PIAB connector blocks.

See diagram for color-coding.

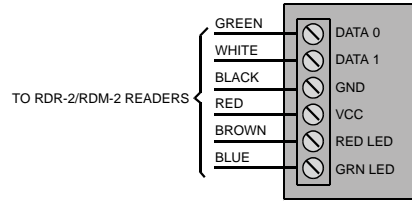


Figure 4. Wiring

## 5. REGULATORY

### 5.1 EU Declaration of Conformity

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### 5.2 Compliance FCC Compliance

This device (FCC #:04X3-63040) complies with FCC Rules Part 15.

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, or that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interface in a residential installation. This equipment generates; uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Elpas Solutions Ltd.) could void the user's authority to operate the equipment.

### 5.3 Company Contact

Elpas, Inc.

Westford, Massachusetts (USA) -Tel: 1-800-223-0020

## 6. PRODUCT WARRANTY

Elpas Solutions Ltd. (Elpas or the Company), and its affiliates, 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 Elpas. The Company'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 Elpas, 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. Elpas shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, resulting from a malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Product.

Elpas MAKES NO EXPRESS WARRANTIES EXCEPT THOSE STATED IN THIS STATEMENT. ELPAS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ELPAS'S SOLE RESPONSIBILITY FOR WARRANTY CLAIMS IS LIMITED TO REPAIR OR TO REPLACE AS SET FORTH IN THIS STATEMENT.

Elpas shall have no liability for any death, personal injury, property damage, or other loss whether direct, indirect, incidental, consequential, or otherwise, based on a claim that the Product failed to function. However, if Elpas 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 company's maximum liability shall be limited to 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 liability of Elpas.

Elpas shall not, under any circumstances whatsoever, be liable for any inaccuracy, error of judgment, default, or negligence of Elpas, 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 Elpas is unable to make such repair or replacement, the company's entire liability shall be limited to the cost of a reasonable substitute product. Elpas shall not be responsible for any dismantling, installation, reinstallation, purchasing, shipping, insurance, or any similar charges. Elpas 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 Elpas, 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 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 Elpas, 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.

Elpas reserves the right to modify this statement at any time, in its sole discretion without notice to any purchaser or user. However, this statement shall not be modified or varied except by Elpas in writing, and Elpas does not authorize any single individual to act on its behalf to modify or vary this statement.

Any questions about this statement should be directed to Elpas.



#### WEEE Product Recycling Declaration

For information regarding the recycling of this product you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste - Directive 2002/96/EC Waste Electrical and Electronic Equipment.

### 1. INTRODUCTION

The RDR-1B 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.

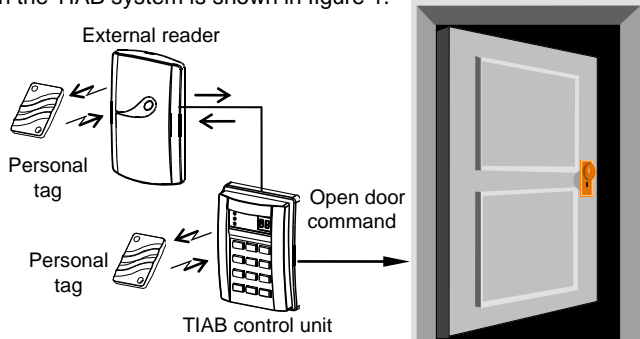


Figure 1 - Integration of External Reader in TIAB System

The TIAB has an internal proximity tag reader. For installations in which an additional tag reader is required, the external reader RDR-1B (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 which communicates the received data to the TIAB.

It is recommended to install the RDR-1B 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.

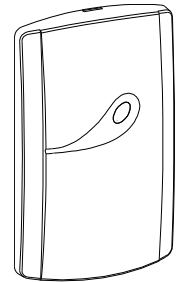


Figure 2 - RDR-1B External Reader

### 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:** 10<sup>12</sup> possible combinations.
- Dimensions (H x W x D):** 116 x 70 x 17 mm (2 3/4 x 4 1/2 x 5/8 in.)
- Weight:** 121.5 g (4.3 oz)
- Environmental Protection (Solids, Liquids, Impact):** IP677
- Operating Temperature:** -20°C to 50°C (-4°F to 122°F)
- Color:** Metallic brown

- Max. Cable Length between RDR-1B and TIAB:** 10 m (32 ft.)
- Minimum Distance between RDR-1B and TIAB:** 60 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

- 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.

**CAUTION:** The distance between the TIAB control unit and the RDR-1B or between two RDR-1B readers or two TIAB units should be at least 60 cm (2 ft.), to ensure proper operation.

**IMPORTANT!** Do not install the RDR-1B on a metal surface or a metal door frame, since this decreases the read range significantly. If you have to install the reader on a metal surface, use a spacer so that the reader will be at least 1 cm (3/8 in.) away from the metal. You may use RDR-BACK which is an optionally available spacer designed specifically for this purpose.

### 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.

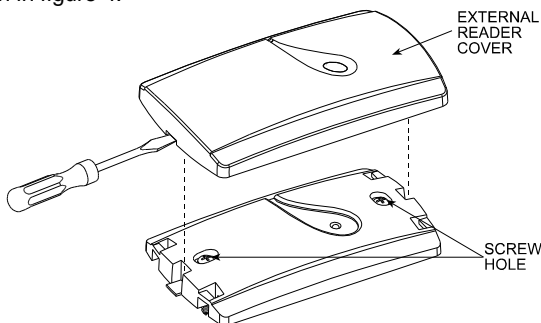


Figure 3 - Separating the External Reader Cover

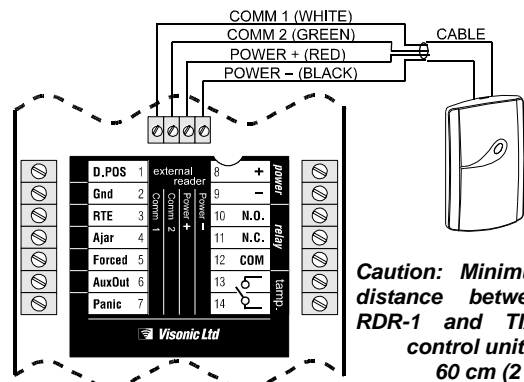


Figure 4. Wiring Diagram

**Caution:** Minimum distance between RDR-1 and TIAB control unit is 60 cm (2 ft.)

This device complies with the essential requirements and provisions of Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999 on radio and telecommunications terminal equipment.

## 5. REGULATORY

### 5.1 EU Declaration of Conformity

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### 5.2 Compliance FCC Compliance

This device (FCC #:04X3-63040) complies with FCC Rules Part 15. Operation is subject to the following two conditions:

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**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates; uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
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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 Elpas, 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. Elpas shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, resulting from a malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Product.

Elpas MAKES NO EXPRESS WARRANTIES EXCEPT THOSE STATED IN THIS STATEMENT. ELPAS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ELPAS'S SOLE RESPONSIBILITY FOR WARRANTY CLAIMS IS LIMITED TO REPAIR OR TO REPLACE AS SET FORTH IN THIS STATEMENT.

Elpas shall have no liability for any death, personal injury, property damage, or other loss whether direct, indirect, incidental, consequential, or otherwise, based on a claim that the Product failed to function. However, if Elpas 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 company's maximum liability shall be limited to 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 liability of Elpas.

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By purchasing the Product, the purchaser and user shall defend, indemnify and hold Elpas, 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.

Elpas reserves the right to modify this statement at any time, in its sole discretion without notice to any purchaser or user. However, this statement shall not be modified or varied except by Elpas in writing, and

Elpas does not authorize any single individual to act on its behalf to modify or vary this statement.

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#### W.E.E.E. Product Recycling Declaration

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### 1. INTRODUCTION

The RDM-4 (mullion type), RDR-4 and RDR-4B are external proximity readers, compatible with the AXS-100 access control system.

The system is designed to limit access to restricted areas, while permitting authorized people to enter.

It is recommended to install the readers on a wall outside the protected area, and the AXS-100 control unit inside the protected area.

Proximity access cards or tags are used as keys to open doors. When presented to an RDR-4, RDR-4B or RDM-4, the access card emits a coded RF signal that is read by the proximity reader. The reader then forwards this signal to the AXS-100 control unit.

The control unit verifies that the card is valid and decides whether it should energize an output relay that releases the lock. All activity involving the proximity readers is recorded and logged by the AXS-100.

For information about the AXS-100 system, refer to the AXS-100 user's guide and installation instructions.

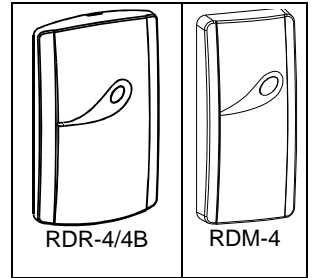


Figure 1. External View

### 2. SPECIFICATIONS

#### Tag reading range:

RDM-4: 40 - 80 mm (1 - 3 in.)

RDR-4, RDR-4B: 50 - 100 mm (2 - 4 in.)

Frequency: 125 kHz

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

External Buzzer current (RDR-4B only): 50mA max

Operating temperature: -20°C to 50°C (-4°F to 122°F)

#### Dimensions (L x W x D):

RDR-4, RDR-4B: 116 x 70 x 16.8 mm (4 - 1/2 x 2 - 3/8 x 5/8 in.)

RDM-4: 94 x 43 x 16 mm (3.7 x 1.7 x 0.6 in.)

Cable (to AXS-100 control unit) maximum length: 100 m (320 ft)

Minimum distance between readers: 60 cm (2 ft.)

Environmental Protection (Solids, Liquids, Impact): IP677

#### Weight:

RDR-4, RDR-4B: 121.5 g (4.3 oz)

RDM-4: 90 g (3.17 oz)

Color: Dark gray (option white)

### 3. MOUNTING

Mount the proximity reader outside the door on the wall or door frame. The RDR-4, RDR-4B and RDM-4 come with a 1m (3 ft) cable.

#### To mount the proximity reader:

- Insert a screwdriver into the recess at the bottom of the case, and separate the cover from the reader.
- Place the base on the installation surface, mark two screw holes, drill the holes, and insert plastic anchors, if necessary.
- Fasten the base to the mounting surface, using two screws.
- Replace the reader's cover, ensuring that the cover is aligned with the reader. This enables the LED to be visible, (see Figures 2 and 3).

**Note:** When installing more than one RDR-4, RDR-4B or RDM-4, the distance between the readers should be at least 60 cm (2 ft.), to ensure proper operation.

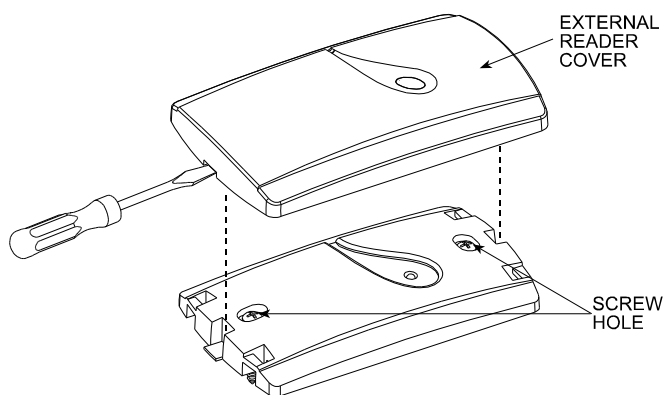


Figure 2. RDR-4, RDR-4B Mounting

**Note:** Do not install the RDR-4, RDR-4B or RDM-4 on a metal surface or a metal door frame, since this decreases the read range significantly. If you have to install the reader on a metal surface, use a spacer so that the reader will be at least 1 cm (3/8 in.) away from the metal. You may use the RDR/RDM-BACK which is an optionally available spacer made specifically for this purpose.

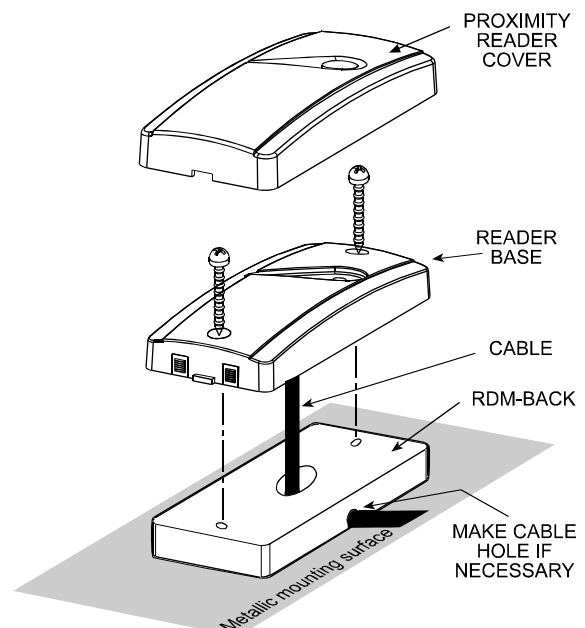


Figure 3. RDM-4 Mounting

## 4. WIRING

The standard cable is color-coded. Use a cable with the same colors to avoid mistakes in connection. Connect each proximity reader to the reader sections on the AXS-100 connector blocks.

### 4.1 Wiring the RDR-4

Each RDR-4 proximity reader is connected to the control unit via a four-wire cable. See Figure 4 for color-coding.

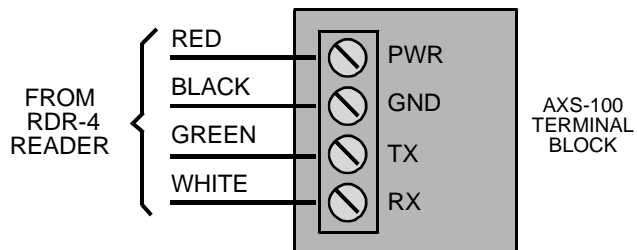


Figure 4. RDR 4 Color-Coding

### 4.2 Wiring the RDR-4B

The RDR-4B in conjunction with the AXS-100, facilitates a door ajar annunciation next to each door. The RDR-4B connects to the AXS-100 controller using the same four color wire as the RDR-4. The two extra wires (brown and blue) should be connected to a local 12V / 50mA buzzer as follows:

- Brown wire to buzzer +
- Blue wire to buzzer -

The output current is limited to 50mA. See Figure 5 for color coding.

For activating the output of RDR-4B refer to the AXS-100 User Guide section 5.2.3.

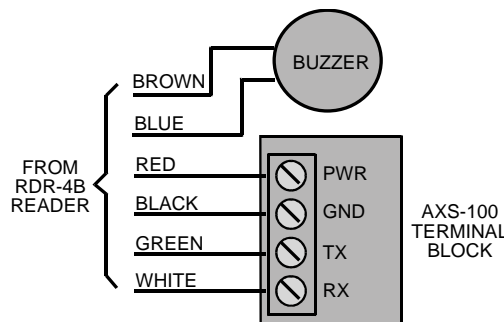


Figure 5. RDR-4B Color-Coding

### 4.3 Wiring the RDM-4

Each RDM-4 proximity reader is connected to the control unit via a four-wire cable. See Figure 6 for color-coding.

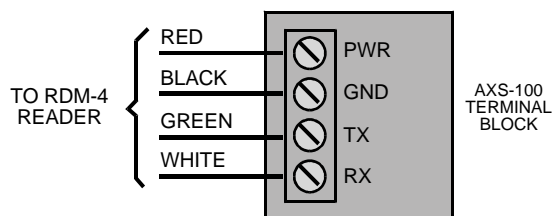


Figure 6. RDM-4 Color-Coding

## 5. REGULATORY

### 5.1 EU Declaration of Conformity

This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### 5.2 Compliance FCC Compliance

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However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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Westford, Massachusetts (USA) -Tel: 1-800-223-0020

## 6. PRODUCT WARRANTY

Elpas Solutions Ltd. (Elpas or the Company), and its affiliates, 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 Elpas. The Company'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 Elpas, 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. Elpas shall not be liable for any damage or loss whatsoever, whether directly, indirectly, incidentally, consequentially or otherwise, resulting from a malfunction of the Product due to products, accessories, or attachments of others, including batteries, used in conjunction with the Product.

Elpas MAKES NO EXPRESS WARRANTIES EXCEPT THOSE STATED IN THIS STATEMENT. ELPAS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ELPAS'S SOLE RESPONSIBILITY FOR WARRANTY CLAIMS IS LIMITED TO REPAIR OR TO REPLACE AS SET FORTH IN THIS STATEMENT.

Elpas shall have no liability for any death, personal injury, property damage, or other loss whether direct, indirect, incidental, consequential, or otherwise, based on a claim that the Product failed to function. However, if Elpas 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 company's maximum liability shall be limited to 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 liability of Elpas.

Elpas shall not, under any circumstances whatsoever, be liable for any inaccuracy, error of judgment, default, or negligence of Elpas, 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 Elpas is unable to make such repair or replacement, the company's entire liability shall be limited to the cost of a reasonable substitute product. Elpas shall not be responsible for any dismantling, installation, reinstallation, purchasing, shipping, insurance, or any similar charges. Elpas 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 Elpas, 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 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 Elpas, 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.

Elpas reserves the right to modify this statement at any time, in its sole discretion without notice to any purchaser or user. However, this statement shall not be modified or varied except by Elpas in writing, and

Elpas does not authorize any single individual to act on its behalf to modify or vary this statement.

Any questions about this statement should be directed to Elpas.

