third millennium
advanced access control readers

INSTALLATION GUIDE
RXseries® of BACK BOXES

Scan the QR code or link to the address below to find a list of datasheets to all products and other support information.

https://www.tm-readers.com/downloads.htm

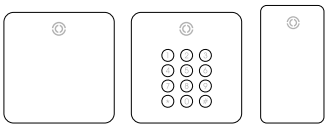
These notes provide a general guidance for connecting and mounting the RXseries® of reader model(s) shown to the right.

Readers should only be installed by a qualified installer.

Mounting readers on (or near) metal may impair the read range of the unit.

INSTALLATION GUIDE for RXseries® of BACK BOXES

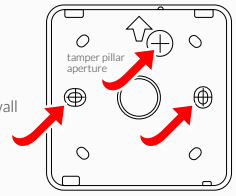
including TAMPER detection (when enabled).



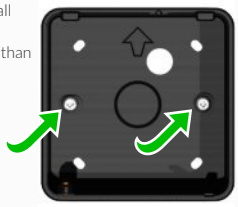
This document offers basic instructions for installing the RXseries of back boxes, and includes guidance for fixing the tamper detection mechanism for readers supplied with tamper sensor enabled.

INSTALLATION - RX1 / RX1K BACK BOX

1 • Using the back box as a template, mark onto the wall the centre positions of the fixing holes and tamper pillar aperture. Drill and plug the wall as required.



2 • Secure the back box to the wall using a minimum of 2 fixings having a diameter no greater than 4mm (0.15 inch).



3 • Using the wall plug and screw supplied, carefully position and loosely fix to the wall the tamper pillar.

4 • To ensure operation, twist the tamper pillar to ensure it is vertical, as shown.

5 • When correctly fixed, the back box and tamper pillar should appear as shown here. Further tighten the tamper pillar screw to firmly secure ... DO NOT over tighten.

6 • Make connections to the reader and test the tamper sensor by gently lifting the bottom edge of the reader away from the back box.

• Secure reader using screw supplied. You may opt to use an M3x10mm countersunk security screw (not supplied).

TAMPER DETECTION

When tamper detection is enabled, please ensure you follow these instructions carefully.

NOTE: You do not have to install this mechanism if the tamper detection sensor on your reader is NOT enabled.

This mechanism has been designed as a fixture independent to the reader and back box, to minimise the risk of bypassing the tamper sensor if an attempt is made to remove the reader and back box together.

When enabled, the TAMPER DETECTION functions uses an infrared optical sensor to send and receive information on the physical status of the reader.

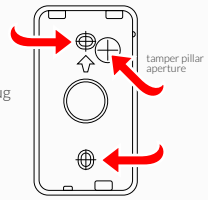
Any forced attempt to remove the reader from the back box, or a destructive act of vandalism to the reader installation, will trigger the tamper detection and send a signal to the access control panel, which is then handled in accordance with the user's settings and installation protocols.

As part of the tamper detection security, if the reader is lifted away from the back box, it will no longer read RFID credentials. The LED will illuminate RED indicating the reader is NON-OPERATIONAL.

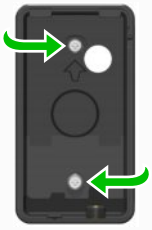
When the reader is secured properly to the back box, the LED will illuminate BLUE (if set to standard RXseries configuration) indicating the reader is OPERATIONAL.

INSTALLATION - RX4 BACK BOX

1 • Using the back box as a template, mark onto the wall the centre positions of the fixing holes and tamper pillar aperture. Drill and plug the wall as required.



2 • Secure the back box to the wall using 2 fixings having a diameter no greater than 4mm (0.15 inch).

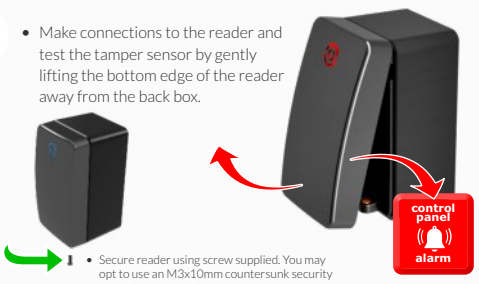


3 • Using the wall plug and screw supplied, carefully position and loosely fix to the wall the tamper pillar.

4 • To ensure operation, twist the tamper pillar to position shown (approx' 15°).

5 • When correctly fixed, the back box and tamper pillar should appear as shown here. Further tighten the tamper pillar screw to firmly secure ... DO NOT over tighten.

6 • Make connections to the reader and test the tamper sensor by gently lifting the bottom edge of the reader away from the back box.



• Secure reader using screw supplied. You may opt to use an M3x10mm countersunk security screw (not supplied).

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