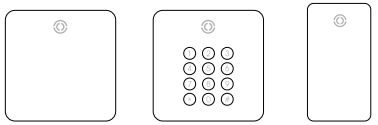
third millennium
advanced access control readers

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

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

Reader Models



RX190B RX1K90B RX490B

The RX series® of readers provide a powerfully secure and innovative design, offering a clean and stylish aesthetic to any installation.

TAMPER DETECTION

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

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 backbox, to minimise the risk of bypassing the tamper sensor if an attempt is made to remove the reader and backbox together.

TAMPER DETECTION MECHANISM  (tamper pillar)

INSTALLATION GUIDE

for

RXseries® of BACKBOXES

including TAMPER detection (when enabled).

This document gives basic installation instructions for installing the RXseries of backboxes, and includes guidance for fixing the tamper detection mechanism for readers supplied with tamper sensor enabled.

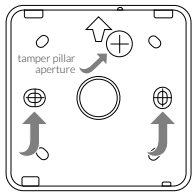
Readers should only be installed by a qualified installer.

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

Fixing and Connection

1 RX1 / RX1K BACKBOX

Using the backbox 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

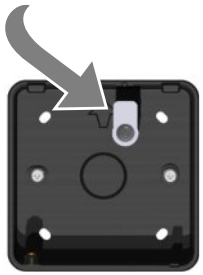
Secure the back box to the wall using a minimum of 2 fixings.

3

Carefully position and loosely fix to the wall the tamper pillar using the wall plug and screw supplied,

4

Twist the tamper pillar to ensure it is vertical, as shown.

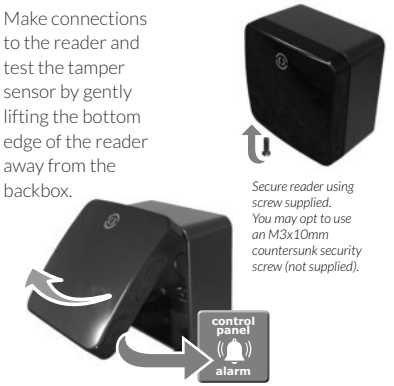


5

When correctly fixed, the backbox and tamper pillar should appear as shown below. Tighten the tamper pillar screw further … but do not over tighten.

6

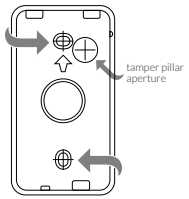
Make connections to the reader and test the tamper sensor by gently lifting the bottom edge of the reader away from the backbox.



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

1 RX4 BACKBOX

Using the backbox 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.

3

Carefully position and loosely fix to the wall the tamper pillar using the wall plug and screw supplied.

4

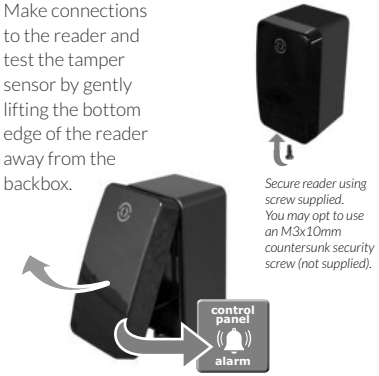
To ensure operation, twist the tamper pillar to position shown (approx' 15°).

5

When correctly fixed, the backbox and tamper pillar should appear as shown below. Tighten the tamper pillar screw further … but 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 backbox.



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

7 TAMPER DETECTION

When enabled, the TAMPER DETECTION function 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 backbox, 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 backbox, 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 backbox, the LED will illuminate **BLUE** (standard RXseries configuration) indicating the reader is OPERATIONAL.

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