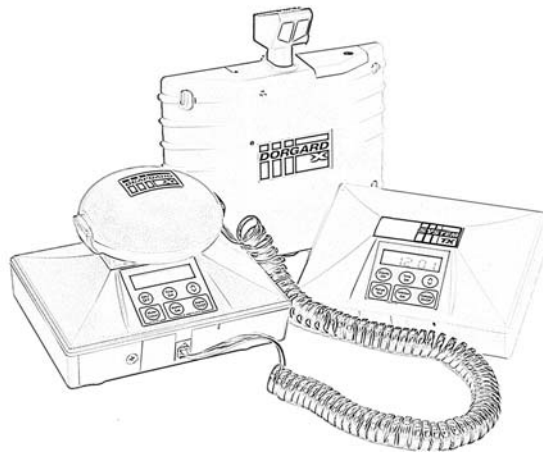




Fitting and Operating Guide



This is an important document detailing the correct installation and use of the System X.

This Guide must be read and fully understood before you start installation and be kept in a safe place such as your Fire Risk Assessment File.

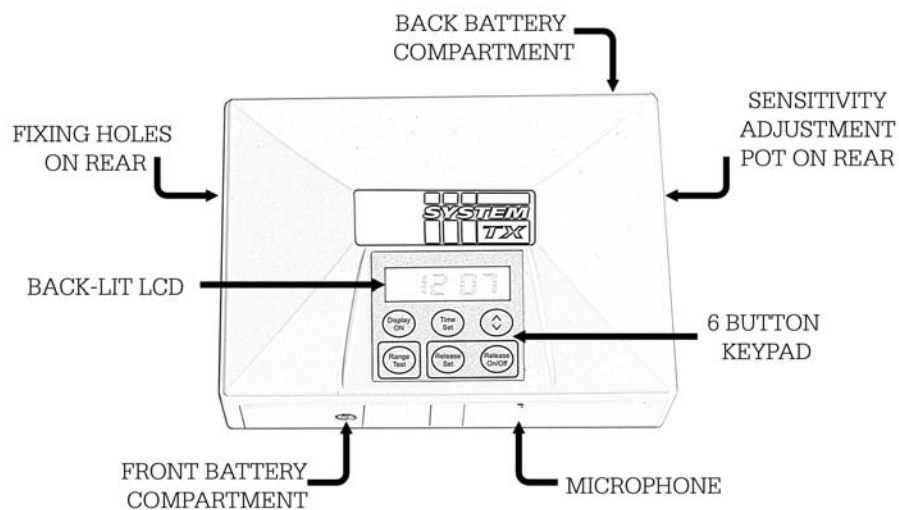
Keep this Guide in a safe place.

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Introduction

The System X Transmitter (TX) is the control unit which is used to communicate to all Linked products, including Dorgard X, Deafgard X and eXitfinder. In the event of a fire alarm condition all Linked products will activate according to their product type, e.g. Dorgard X will release doors, the Deafgard X Strobe LED's will flash and the Pillow Pad will vibrate and eXitfinder will indicate the way out.

When installed, System X continually monitors the sound level of the surrounding area. When the decibel level and frequency of a fire alarm is identified System X will communicate to all Linked products.

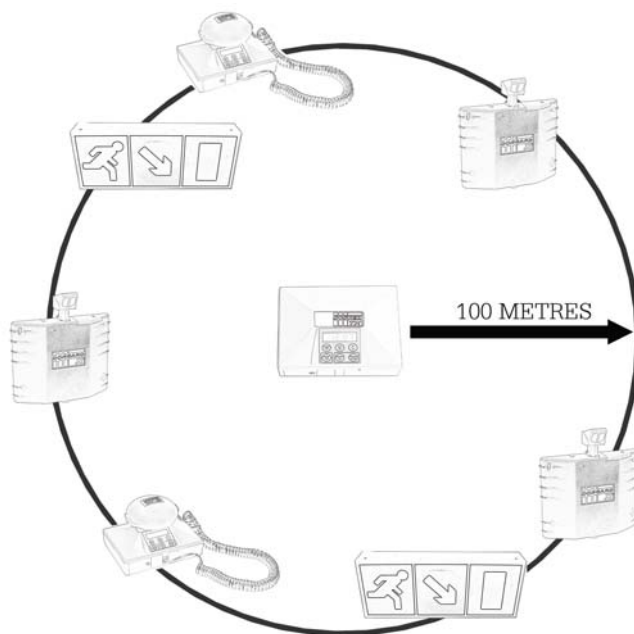


Site Survey

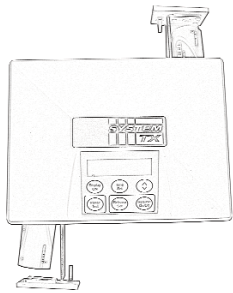
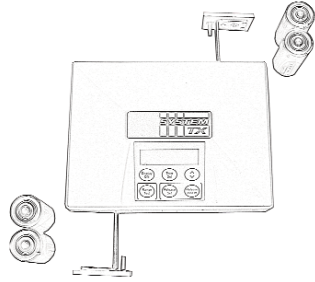
Although System X has a designed range of 100 metres, this is dependent on location as every building is different. Electrical appliances, building materials and other solid objects can effect range. This is why a Site Survey is imperative.

Before installation a Site Survey must be carried out on the building where System X is to be installed. The Technician will calculate the number of System X transmitters (TX) needed for your building, as well as locations for them and System X receiver units, such as Deafgard X. Multiple TX units can be added to the site if radio range needs to be increased.

If you have not had a Site Survey or have any questions contact your supplier or contact the Technical Advice Line.



Batteries - use 4 x C Size LR14



Note. If Batteries are removed before a Low Battery condition is activated, System X will transmit a Fail to Safe message to all Linked products and the LCD will display FAIL and SAFE alternately. System X will send a reset command once all four Batteries have been replaced.

Use Alkaline Only (Do Not Use Rechargeable Batteries)

The 4 x C Size Procell Alkaline Batteries supplied should last at least 12 months. System X continually checks the Battery life ensuring safe operation.

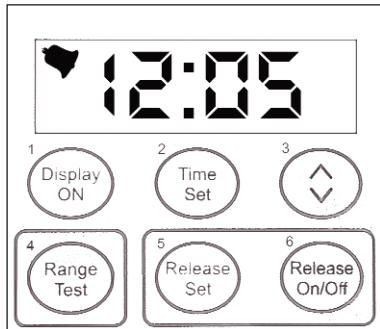
1. Open Battery Compartments using a screwdriver.
2. Insert the Batteries into the Battery Compartments (+) positive side facing out. Inserting the Batteries the wrong way could cause damage.
3. When closing the Battery Compartments take care not to over tighten.

When Batteries require changing the LCD will display BATT and the unit will emit a warning tone every 30 seconds. When Battery level gets critically low System X will send a Fail to Safe message to all Linked products.

System X saves all Night-time Release and Ident settings when Batteries are removed but 'real' time will need to be set.

Note. System X does not adjust automatically for daylight saving hours.

LCD & Keypad

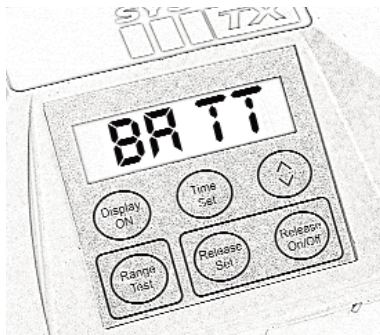


The LCD is back-lit and is used to display the Time, Night-time Release settings, Low Battery conditions and any faults.

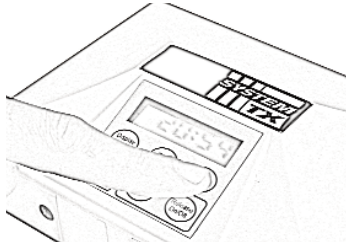
If the unit detects a FIRE alarm message, the LCD will display FIRE. System X will then transmit a radio signal to all Linked products, e.g. Dorgard X

Keypad

1. Not used on this model
2. Button 2 TIME SET - Used to set Time
3. Button 3 INCREMENT - Adjust clock and timer settings
4. Button 4 RANGE TEST - Activates signal to check all System X receiver units are in range
5. Button 5 RELEASE SET - Use to set the Night-time Release function
6. Button 6 RELEASE ON/OFF - Activate/de-activates Night-time Release function



Setting the Ident



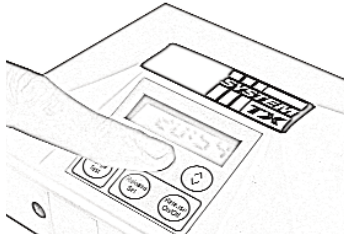
System X can be set to 16 separate Identity Settings (Idents). This allows System X to be installed in different zones or areas.

To set Idents on the Linked products, such as Dorgard X, see the Dorgard X Fitting and Operating Guide.

Setting Idents on System X:

1. Choose an Ident by holding Button 3 INCREMENT until Id and a digit is displayed in the LCD.
2. Pressing this button again will change the Ident. There are 16 Idents, ten from 0-9 and six from A-F
3. Press Button 4 RANGE TEST to save the Ident.
4. To send the Ident to all products to be Linked, hold Button 2 TIME SET and Button 5 RELEASE SET simultaneously until SET and the Ident digit or letter is displayed on the LCD.
5. System X will transmit the Ident Setting for 50 seconds. This can be repeated as required.

Setting the Time



Note. System X operates a 24 hour clock.

The Time should be set whenever Batteries removed or are replaced.

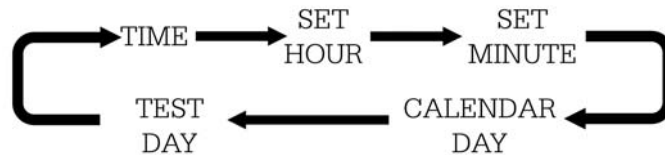
1. To set the Time press and hold Button 2 TIME SET until only the hour numeral is shown on the LCD.
2. Press Button 3 INCREMENT to adjust the hour.
3. Press Button 2 TIME SET until the minute numeral appears.
4. Press Button 3 INCREMENT to adjust the minute.
5. Repeat the above to set the Calendar and Test Days.

Holding down Button 3 increments the numeral in 1/2 second stages.

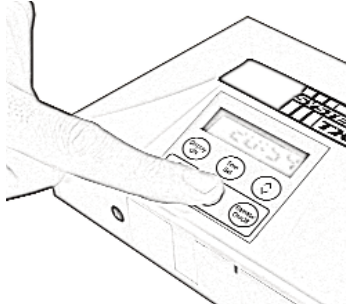
Calendar Days on the LCD follow convention i.e. Monday is Day 1.

Test Day is shown on the LCD as TD followed by a number:

If TD 4 is chosen the System X will conduct a Self Test at Midnight every Thursday.

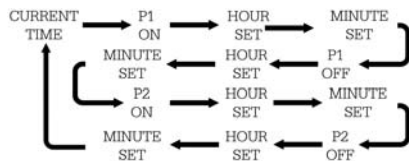


Night-time Release



If no Night-time Release function is required set both P1 and P2 ON and OFF times to 00:00. This will disable both.

The Night-time Release function does not effect Deafgard X.

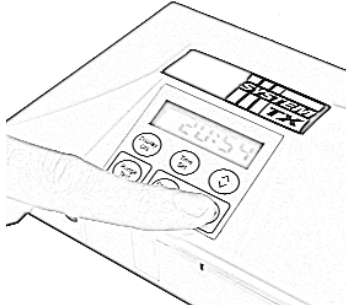


The Night-time Release function allows Dorgard X units Linked to System X to release fire doors at a set time every day, or if preferred 2 set times daily. The set times appear as - P1 and P2 on the System X LCD.

Example: If you require doors to release at 23:00 each night and not hold open again until 06:30, then set P1 ON to 23:00 and P1 OFF to 06:30 by following the below:

1. Press and hold Button 5 RELEASE SET until P1 ON is displayed on the LCD.
2. Press Button 5 (an hour numeral should be displayed).
3. Press Button 3 INCREMENT to set 23 (the hour).
4. Press Button 5 (minute numerals should be displayed).
5. Press Button 3 INCREMENT to set 00 (the minutes).
6. Press Button 5, P1 OFF should now be displayed on the LCD.
7. Repeat the sequence 2-5 to set the time that you require Dorgard X to be able to hold doors open again.
8. Press Button 5 and P2 ON should appear on the LCD repeat above if required or set P2 ON and P2 OFF to 00:00.

Turning Night-time Release On and Off

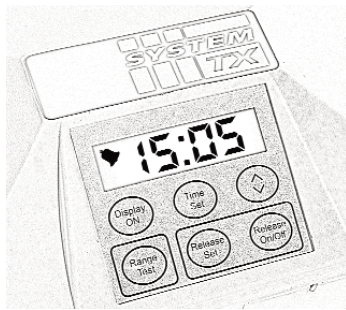


After setting the Night-time Release the function will automatically be turned On.

To toggle the function On and Off depress Button 6 RELEASE ON/OFF.

When Night-time Release is On a bell symbol will be displayed on the LCD.

Note. Even if Night-time Release is not set, Dorgard X will release on the set Test Day, see Setting the Time.



Location of System X



The System X Transmitter (TX) should be installed within 1 metre of a fire alarm bell or sounder that is situated in a quiet area such as a hallway or office. Installation in noisy rooms, canteens, discos etc could effect reliability.

System X should only be installed after completion of a Fire Risk assessment by a competent person.

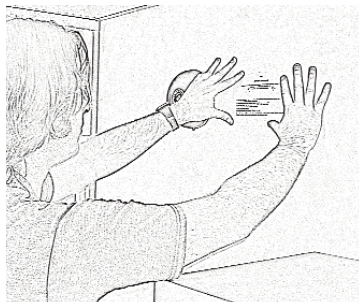
To comply with the recommendations within BS 7273-4 the fire alarm bell or sounder should be part of an Automatic Fire Detection system as defined in the recommendations of BS 5839-1.

If your fire doors are being held open with wedges and you have an audible fire alarm, a fire risk assessment is bound to confirm the efficacy of installing System X.

One System X transmitter (TX) unit will communicate with all Linked products within a 100 metre range, although this will be dependent upon the construction and layout of the building.

The System X Transmitter (TX) is not recommended to be installed in locations where there is a concentration of metal nearby such as lift shafts, elevators and metal staircases. These might effect the radio signal and therefore performance of the system.

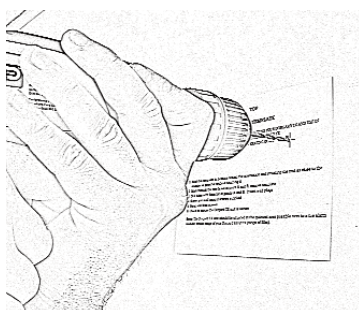
Installation and Range Test



Locate position for System X according to Site Survey.

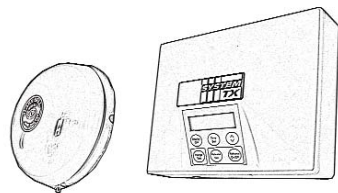
Use Fitting Template to mark location holes for drilling.

Warning! Before drilling holes or fastening Screws into the wall or ceiling, check the location of water pipes, electrical cables, gas pipes etc. Failure to do so could cause disruption to services in the building and might result in serious injury or death.



Use a 6mm drill bit and drill out the 2 x location holes to a depth of no more than 30mm.

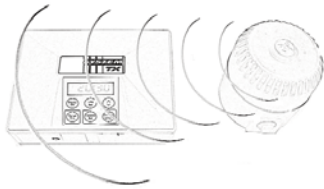
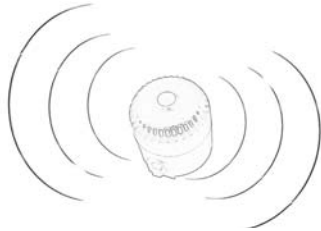
Insert the wall plugs and screws supplied, but leave the screw heads 'proud' of the wall by 5mm.



After installing Batteries, setting Ident, Time and any Night-time Release settings attach System X onto the screws.

Perform a Range Test by pressing Button 4 RANGE TEST. The LCD will display TEST and the unit will send a message to all Linked units to check the radio integrity of the System, e.g. Dorgard X units will release their doors.

Testing System X to the Fire alarm

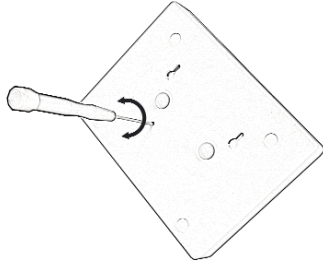


Note. Although System X self-testing every 7 days, weekly bell tests are imperative. This will ensure that all Linked products are working correctly.

1. Once correctly installed and a Range Test has been conducted the System must be tested to the fire alarm bell or sounder.
2. Sound fire alarm for a minimum of 30 seconds.
3. System X is designed to activate upon hearing the constant sound of the fire alarm for 20 seconds. The LCD on the unit will display FIRE when a fire alarm condition is acknowledged.
4. Check all Linked products have activated, e.g. Dorgard X has released the fire door.
5. If System X does not respond to the fire alarm adjust the sensitivity of the unit (see Sensitivity Adjustment).

System X sends a Call-in message to all linked units every 10 minutes. If the Linked product, such as Dorgard X, misses 5 messages in a row it will Fail to Safe. System X also sends a Self Test message at midnight on the set day (see Setting the Time).

Sensitivity Adjustment



On identifying a necessary adjustment use a narrow electrical flat head screwdriver. Take care not to over adjust as this will render the unit inoperative.

Adjusting Sensitivity if System X is not sensitive enough, i.e. does not respond to the fire alarm:

1. Carefully insert screwdriver into hole on back of the unit.
2. Turn clockwise through no more than 5 degrees (a small adjustment is equivalent to a large alteration in sensitivity).
3. Test System X to the fire alarm.
4. If problems persist repeat steps 1-3.

Note. The Adjustment Screw is limited in both direction, once you can feel resistance against turning - stop to avoid damaging the unit.

If System X is too sensitive (responds to no apparent sound) follow steps 1-4, but turn anti-clockwise in Step 2.

Manufacturer's Warranty

Fireco Limited ("we" and "us") warrants to the customer ("you" and "your") that the product will be free from defects in material and workmanship for a period of 12 months from the date of purchase. If the product is defective whilst under warranty we will, at our option, repair the product or replace it free of charge.

If the product appears to develop a defect while under warranty please first check that the product is being correctly used in accordance with this Fitting and Operating Guide and that the Batteries are functioning. If this does not resolve the problem please contact us in writing at the e-mail address shown below or telephone the Technical Advice Line.

The warranty does not apply to any defect in the product arising from fair wear and tear, wilful damage, accident, negligence by you or any third party, abnormal working conditions failure to follow the instructions in this Guide, misuse or alteration or repair of the product without our prior approval. The warranty does not cover batteries, which may need to be replaced within the period of the warranty. We will not be liable to you for any loss of profits, administrative inconvenience or indirect or consequential loss or damage arising out of any defect in the product.

Where the products are sold under a consumer transaction (as defined by the Consumer Transactions (Restrictions on Statements) Order 1976) your statutory rights are not affected by the terms of this warranty.



Version 1.0

For all other queries please contact your supplier.