Fireco

Compliance Made Easy
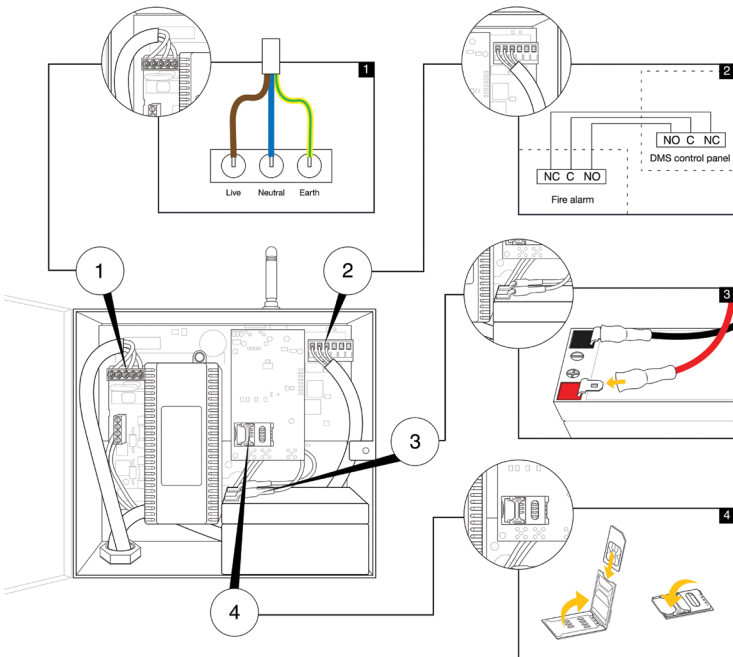
DMS Installation and Control

Prior to install

Deaf Message Service (DMS) is a fire alarm notification system for the deaf and hard of hearing. If your fire alarm activates, DMS will send an emergency text message to all users subscribed to the service.

Inside the box

- DMS panel.
- 3 x fixing screws
- 3 x Rawplugs
- 1 x Aerial
- 1 x Thumbscrew
- 2 x 20mm Cable gland

- 1 X 1.2 Ah 12V lead acid battery.
- SIM card
- Wall stickers (these tell the users how to subscribe)
- DMS Installation and Control book
- DMS guide book

Installation

- Ensure the install surface is clean, dry, flat and not susceptible to vibration.

- Using the panel as a template, mark the position of the fixing holes. Using screws of 5 mm diameter affix the panel to the wall through the three mounting holes.

- Run suitable cable (eg Cat 5) through the top or bottom knock out using the supplied cable gland. Connect the DMS panel with the fire relay within the fire alarm panel (CIE). It is important to connect the common, normally closed and normally open contacts. Connect the cable to the fire, normally open, normally closed and common within the fire panel.

- The DMS panel requires a 230v power supply from a 3A fused unswitched spur. Connect the power cable to the DMS panel's power supply as seen on the wiring diagram.

- Once the DMS panel has power, connect the supplied 12v, 1.2Ah battery.

- The SIM card supplied will need to be inserted into the SIM card holder located on the circuit board.

Commissioning

Text the location code to the number on the blue subscription stickers (07797 870999). You will receive a text message confirming you have subscribed to DMS at that location.

Ensuring the DMS panel lid is closed, trigger your fire alarm to test the panel is operational, you will see the red light come on through the panel window marked with a wrench ⚒ You will receive a fire text message from DMS. Ensuring the content of the message is as specified, the DMS service will now be fully operational.

What do the lights mean?

The two lights visible through the DMS panel lid are there to provide you with a visual status.

Symbol	Sequence	Meaning
〜	🟢	Power OK.
〜	🔴 (flashing)	Power fail.
⚒	🟢	Status OK.
⚒	🟢 (flashing)	Fire alarm test mode.
⚒	🔴	Fire.
⚒	🔴 (flashing)	Fault.

Text Message controls

DMS engineer functions are controlled by text message. In order to use these functions you must register to the panel.

The number to send texts to control these features is unique to this DMS panel and can be found on the sticker inside the door of the panel.

Registering & De-registering

Action	You text	DMS texts you
Open the lid of the DMS panel	Set register on	You are now registered to this DMS. Please refer to http://fireco.uk/dmsguide for a comprehensive guide to commands.

Registering others

You text	DMS texts you
Set register on 07963 987654	The number 07963 987654 is now registered to this DMS. Please refer to http://fireco.uk/dmsguide for a comprehensive guide to commands.

The person you have registered to the panel will get a text message notifying them. If you no longer wish to have control of the DMS panel you can de-register yourself or others.

Command to de-register yourself

You text	DMS texts you
Set register off	You have de-registered from this DMS. Texts from this number will no longer be processed.

Command to de-register others

You text	DMS texts you
Set register off 07778 987654	You have de-registered 07778 987654 from this DMS. Texts from that number will no longer be processed.

The person you have de-registered from the panel will get a text message notifying them.

Security

The DMS panel has a security feature that asks users to confirm their commands by repeating a case generated ARM code (unique with each attempt) after each command request. You are able to turn this feature off (see below)

Example of a command using the security function

You text   **DMS texts you**

Set fire alarm test

You have requested the fire alarm test. Please reply with ARM 1871 to start.

ARM 1871

This DMS is now in fire alarm test mode for 10 minutes so registered users will not receive a text message in the event of a fire.

Command to turn the security function on/off

You text   **DMS texts you**

Set Security on

You have activated the security function on this DMS. This means that every change to a setting will require an ARM code to be entered.

Set Security off

You have deactivated the security function on this DMS. This means that every change to a setting will not require an ARM code to be entered.

Naming the DMS panel

The DMS panel can be named to help identify panels in sites with multiple DMS installations. The name can be up to 32 characters.

You text

Set name Orchard Way Library

DMS texts you

The name of this DMS is Orchard Way Library.

The DMS panel is able to tell you its name when requested

You text

Read Name

DMS texts you

The name of this DMS is Orchard Way Library.

How to test your fire alarm without sending an evacuation message

If you do not wish for DMS to send an emergency alert to all subscribers you can silence the control panel for 1 to 60 minutes. The panel will automatically become active after this period has elapsed and will send you a text message to confirm.

You must log the amount of test time you require, DMS will store this figure and will use it each time you require a fire alarm test.

Example command to store your test time

You text

Set fire alarm test 10

DMS texts you

You have set the fire alarm test interval to 10 minutes. To activate the fire alarm test, text the words "fire alarm test" to this number.

Example command to enter fire alarm test mode

You text

Set fire alarm test

DMS texts you

This DMS is now in fire alarm test mode for 10 minutes so registered users will not receive a text message in the event of a fire.

The period of time elapses. DMS will automatically inform you.

This DMS is no longer in fire alarm test mode. Registered users will receive a text message in the event of a fire.

If you wish to stop being in fire alarm test mode at any time, follow the command below.

You text	DMS texts you
Stop fire alarm test	This DMS is no longer in fire alarm test mode. Registered users will receive a text message in the event of a fire.

If you do not wish to use the text function to silence DMS there is a button on the right hand side of the panel that can be pressed and will silence the panel for your pre set period of time. Alternatively you can open the lid of the DMS panel prior to your fire alarm test, this will mean no fire alert text messages will be sent. Once the DMS panel lid is closed the system will become active again.

Reading the status of the DMS panel

The DMS panel stores and monitors a variety of information. The status will tell you how long the pre set fire alarm test mode is for, if the control panel lid is open and if there are any faults.

Command to read the status

You text   **DMS texts you**

Read Status

This DMS has no faults, the fire alarm test time is set to 10 minutes and the door of this DMS panel is closed.

The DMS panel is able to also to tell you about its contacts, whether the lid is open or closed and the current supply voltage.

Commands for panel information

You text   **DMS texts you**

Read Contacts

The voltage measured between 0V and the common contact of the fire alarm panel is 0.33V.

Read Range

The door of this DMS panel is closed.

Read Supply

The supply voltage in this DMS is 14.35V.

Panel faults

If the DMS panel has a fault it will display a fault signal on the lights visible on the panel lid. You can then diagnose the faults by texting it.

Example command for diagnosing faults

You text	DMS texts you
Read Fault	No faults detected.
Read Fault	The mains power has been disconnected and the panel is running on its battery back-up.
Read Fault	This DMS fire input is shorted to 3.3V. Please check the wiring.

If the DMS panel has more than one fault you will be sent each fault in a separate text message.

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