Features

Individual addressable manual fire alarm call point with:

- IDNet addressable communications that supply power and data using a single wire pair
- Enhanced aesthetics
- Fast and easy installation
- EMI compatibility
- Surface mounting
- Test key for testing the call point without breaking the glass
- A special key to open the call point
- Simple snap fit to mounting box
- Approved to UL 38

Compatible with Simplex Model series 4007ES, 4010ES and 4100ES

Description

Easy to install, IDNet communicating devices, external addressable manual call points satisfy demanding applications and include a compact communications module. An integral individual addressable module (IAM) monitors status and communicates changes to the connected control unit through IDNet communications.

Specifications

Specifications	Rating
Power and communications	IDNet, one address for each call point
Address means	DIP switch, 8 position
Wire connections	M3 spade terminals
Operating temperature range	-22°F to 150°F (-30°C to 66°C)
Humidity range	Up to 90% RH non-condensing
Ingress protection	IP67
Color	Red, RAL3001
Material	Flame retardant ABS
Dimensions (H x W x D)	3 5/8 in. H x 3 13/16 in. W x 2 7/8 in. D (93 mm x 97.5 mm x 73 mm)



Figure 1: IDNet addressable manual call point

Operation

Activation: To activate the Simplex call point, break the glass element. Completing the action operates a micro-switch which signals the condition back to the control unit.

Call point reset: Resetting the call point requires the use of a special key which is supplied with the call point. Use the special key, to remove the front cover and replace the glass element.

Call point testing: To test the call point, insert the key fully into the bottom of the housing and pull down. This action releases the bottom of the housing and break glass element. To reset the call point, push the bottom of the housing upwards until it locks in position, see Figure 2.

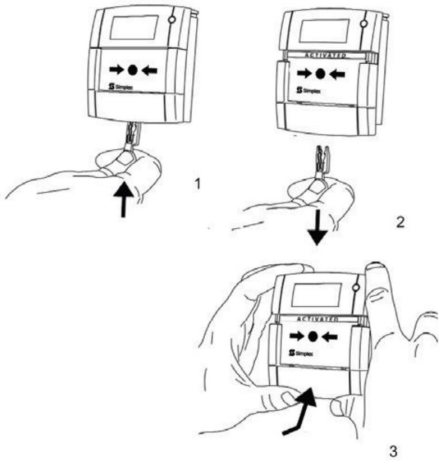


Figure 2: Call point testing

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Application reference

Refer to NFPA 72, the ***National Fire Alarm Code***, and all applicable local codes for complete requirements for manual call points. The following summarizes the basic requirements:

1. Locate call points in the normal path of exit. Distribute call points in the protected area such that they are unobstructed and readily accessible.
2. When mounting, ensure that the operable part is not less than 3 1/2 ft (1.1 m) and not more than 4 1/2 ft (1.37 m) above floor level.
3. Provide at least one call point on each floor. Provide additional call points to obtain a travel distance not more than 200 ft (61 m) to the nearest call point from any part of the building.
4. Install additional call points when manual call point coverage appears limited in any way.

Product selection

Addressable manual call points with internal IAM

Table 1: Addressable manual call points with internal IAM

Model	Description
4099-9710	Simplex external English call point with LED

Accessories

Table 2: Accessories

Model	Description
4099-9706	Call point replacement glass, package of 10

Mounting information

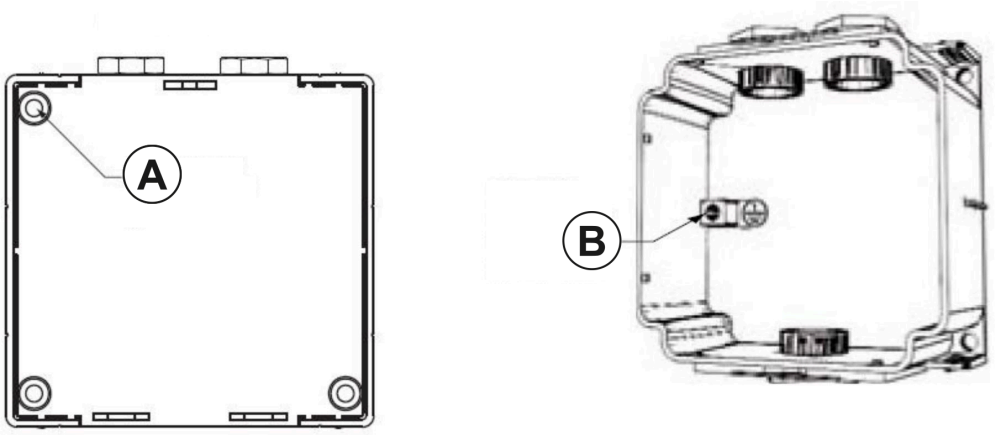


Figure 3: Mounting box

Table 3: Mounting box callouts and description

Callout	Description
A	3/16 in. or 4.5 mm fixing holes Three places
B	Ground continuity terminal, internal.

Mounting notes:

1. Mount the back box to a suitably flat surface using the three fixing holes and the screws provided in the installation pack.
2. The 20 mm cable entry holes are in the vertical plane.
3. You can mount the back box with either the single or the double entry holes at the top.

Fitting the call point to the back box

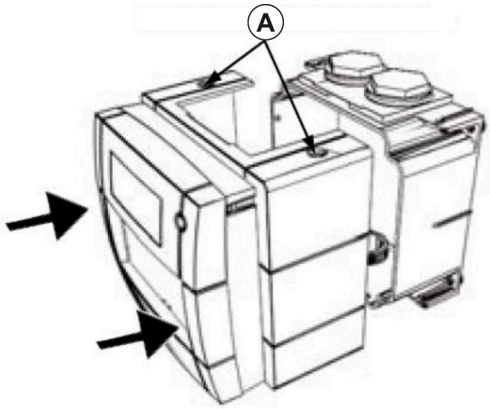


Figure 4: Fitting the call point to the back box

Table 4: Fitting the call point to the back box callout and description

Callout	Description
A	Cover fixing screw location x 4

To fit the call point to the back box, complete the following steps:

1. Ensure that the O-ring is correctly seated in the channel on the rear of the cover.
2. Place the cover squarely over the back box and carefully push the cover until the locating clips have engaged.
3. Do not use excessive force.
4. Use the four cover fixing screws to lock the cover into place.
5. Replace the O-ring when refitting or replacing the waterproof cover.

Removing the call point from the back box

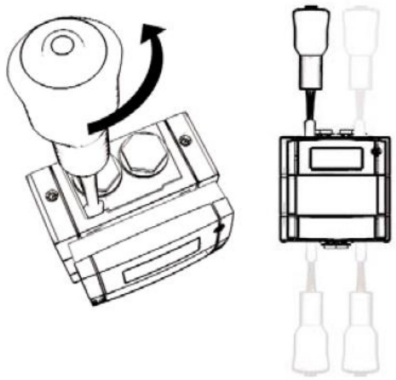


Figure 5: Removing the call point from the back box

To remove the call point from the back box, complete the following steps:

1. To remove the cover, undo and remove the four cover fixing screws.
2. Place the edge of a large flat bladed screwdriver into the slot between the cover and back box as shown in Figure 5 and gently twist until the latches are disengaged.
3. Pull cover away from back box.

Replacing the break glass element

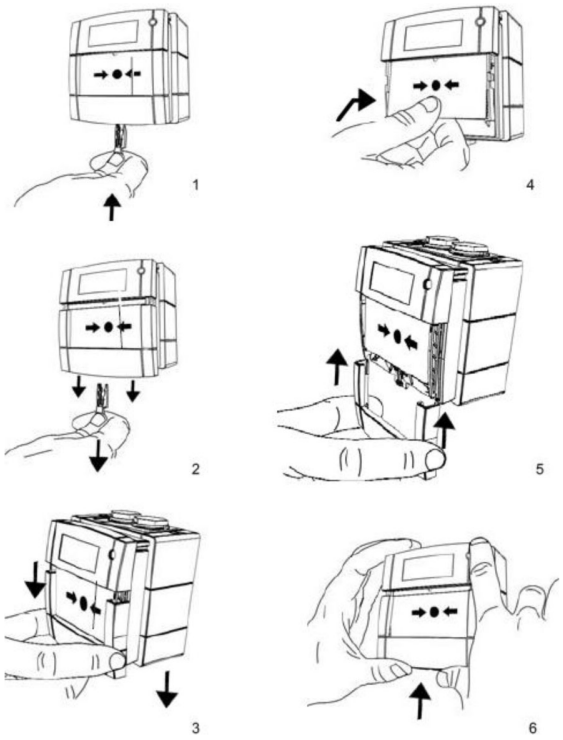


Figure 6: Replacing the break glass element

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