Features

Individually addressable manual fire alarm stations with:

- Power and data supplied via IDNet addressable communications using a single wire pair*
- Operation that complies with ADA requirements
- Pull lever that protrudes when alarmed
- Break-rod supplied (use is optional)

Multiple models are available:

- Single action operation
- Double action operation, Breakglass or Push
- Two stage pull station

For use with Simplex IDNet communications

Compact, sealed construction:

- Allows mounting in standard electrical boxes (with spacer)
- Screw terminals for wiring connections
- Reduces dust infiltration

Tamper resistant reset key lock (keyed same as Simplex fire alarm cabinets)

Multiple mounting options:

- Surface or semi-flush with standard or matching Simplex boxes
- Flush mount adapter available
- Adapters are available for retrofitting of existing addressable stations

Description

The Simplex 4099 Series addressable stations combine the familiar Simplex manual station housing with a compact communication module that is easily installed to satisfy demanding applications. Its integral individual addressable module (IAM) constantly monitors status and communicates changes to the connected control panel via Simplex IDNet communications wiring.

* Simplex IDNet addressable communications are protected by U.S. Patent 4,796,025.

Operation

Activation of the Simplex 4099-9001 single manual station requires a firm downward pull to activate the alarm switch. Completing the action breaks an internal plastic break-rod (visible below the pull lever, use is optional). The use of a break rod can be a deterrent to vandalism without interfering with the minimum pull requirements needed for easy activation. The pull lever latches into the alarm position and remains extended out of the housing to provide a visible indication.

Double Action Stations (Breakglass) require the operator to strike the front mounted hammer to break the glass and expose the recessed pull lever. The pull lever then operates as a single action station.

Double Action Stations (Push Type) require that a spring loaded interference plate (marked PUSH) be pushed back to access the pull lever of the single action station.

Station reset requires the use of a key to reset the manual station lever and deactivate the alarm switch. (If the break-rod is used, it must be replaced.)

Station testing is performed by physical activation of the pull lever. Electrical testing can be also performed by unlocking the station housing to activate the alarm switch.
# IDNet Addressable Manual Station Product Selection

## Addressable Manual Stations

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>4099-9001</td>
<td>Single action addressable manual station</td>
<td></td>
</tr>
<tr>
<td>4099-9002</td>
<td>Double action addressable manual station, Breakglass operation</td>
<td></td>
</tr>
<tr>
<td>4099-9003</td>
<td>Double action addressable manual station, Push operation</td>
<td></td>
</tr>
<tr>
<td>4099-9004CA</td>
<td>Two-stage addressable manual station</td>
<td></td>
</tr>
<tr>
<td>4099-9005CA</td>
<td>Two-stage addressable manual station with N/C Contact</td>
<td></td>
</tr>
<tr>
<td>4099-9006CA</td>
<td>Two-stage addressable manual station, Breakglass operation</td>
<td></td>
</tr>
<tr>
<td>4099-9007CA</td>
<td>Two-stage addressable manual station, Breakglass operation with N/C Contact</td>
<td></td>
</tr>
<tr>
<td>4099-9008CA</td>
<td>Single action addressable manual station with N/C Contact</td>
<td></td>
</tr>
<tr>
<td>4099-9009CA</td>
<td>Single action addressable manual station, Breakglass operation with N/C Contact</td>
<td></td>
</tr>
</tbody>
</table>

Models shown are English Language.
For 4099-9001 add ‘CF’ for French, ‘CB’ for Bilingual e.g. 4099-9001, 4099-9001CF, 4099-9001CB.
For all other models add ‘F’ for French, ‘B’ for Bilingual e.g. 4099-9004CA, 4099-9004CAF, 4099-9004CAB

## Mounting Accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>2975-9178</td>
<td>Surface mount steel box, red</td>
<td>Refer to page 3 for dimensions</td>
</tr>
<tr>
<td>2975-9022</td>
<td>Cast aluminum surface mount box, red</td>
<td></td>
</tr>
<tr>
<td>2099-9810CA</td>
<td>Semi-flush trim plate for single gang box, red</td>
<td>Primarily for retrofit, refer to page 4</td>
</tr>
<tr>
<td>2099-9814</td>
<td>Surface trim plate for Wiremold 5744-2, red</td>
<td></td>
</tr>
<tr>
<td>2099-9819</td>
<td>Flush mount adapter kit, black</td>
<td>Refer to page 4 for details</td>
</tr>
<tr>
<td>2099-9820</td>
<td>Flush mount adapter kit, beige</td>
<td></td>
</tr>
<tr>
<td>2099-9803</td>
<td>Replacement breakglass</td>
<td></td>
</tr>
<tr>
<td>2099-9804</td>
<td>Replacement break-rod</td>
<td></td>
</tr>
</tbody>
</table>

## Specifications

### Power and Communications
IDNet, 1 address per station, up to 2500 ft (762 m) from fire alarm control panel, up to 10,000 ft (3048 m) total wiring distance (including T-Taps)

### Address means
Dipswitch, 8 position

### Wire Connections
Screw terminal for in/out wiring, for #18 to #14 AWG wire

### UL Listed Temperature Range
32° F to 120° F (0° C to 49° C) intended for indoor operation

### Humidity Range
Up to 93% RH at 100° F (38° C)

### Housing Colour
Red with white raised lettering

### Material
Housing and pull lever are Lexan® polycarbonate

### Pull Lever Colour
White with red raised lettering

### Housing Dimensions
5" H x 3 3/4" W x 1" D (127 mm x 95 mm x 25 mm)
Application Reference

Refer to N.B.C. 3.2.4.12 for requirements on manual pull stations.

Refer to CAN/ULC-S524, Section 5-2 for the requirements on the installation of manual pull stations.
IDNet Manual Station Mounting for 4099-9004, -9005, -9006, -9007, -9008, -9009

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**SURFACE TRIM FOR RECEPTACLE BOX**

**RECEPTACLE BOX**

**REAR CONDUIT ENTRY HOLES**

**BACK CONDUIT ENTRY HOLES**

**KNOCKOUTS FOR THREADED 3/4 INCH (1.9cm) CONDUIT TOP AND BOTTOM OF BOX FURNISHED BY SIMPLEX**

**MBD-1-K BOX**

**WIREMOLD BOX NO. 5744 NOT FURNISHED BY SIMPLEX**

**MBD-2-K BOX FOR REAR CONDUIT ENTRY APPLICATIONS**

**MBD-2-K BOX SPACER FURNISHED BY SIMPLEX**

**USE REAR CONDUIT ENTRY HOLES OR BACK CONDUIT ENTRY HOLES**

**2099-9010CA SPACER**

**S14099-0001-6 7/01**

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Offices and Representatives Throughout the World

Visit us on the world wide web at www.simplexnet.com

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