Features

Manual fire alarm stations for releasing applications:

· Double action push and pull operation with a normally open (N.O.) contact
· Current limited model is available with series connected 560 Ω resistor for Style C operation (current limited = alarm; open or short = trouble)
· Operation complies with ADA requirements
· Pull lever protrudes when alarmed
· Break-rod is supplied (use is optional)
· Label kit provides six varieties of releasing applications (ordered separately)
· Screw terminals for wiring connections

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

Multiple mounting options:

· Surface or semi-flush with standard boxes or matching Autocall boxes
· Flush mount adapter kit
· Adapters are available for retrofitting to commonly available existing boxes

**UL listed to Standard 38**

Operation

Double Action Push Type Manual Release Stations require that a spring loaded interference plate (marked PUSH) be pushed back to access the pull lever of the single action station, reducing the possibility of an accidental activation. A firm downward pull of the lever then activates the alarm switch, breaking an internal plastic break-rod, visible below the pull lever.

Break-rod use is optional. Use of a break-rod can provide an additional reduction of the possibility of an accidental activation without interfering with the minimum pull requirements needed for easy activation.

When activated, the pull lever latches into the alarm position and remains extended out of the housing to provide a visible indication.

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.
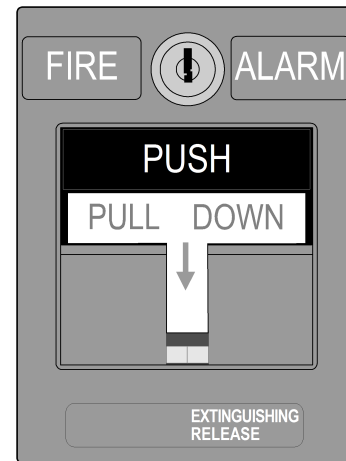
Fig 1: Double Action Push Type Manual Release Station (shown with sample release label)

Label Selection

A blank area on the front of the station allows the selection of a label to match the specific release application (label kit is ordered separately).

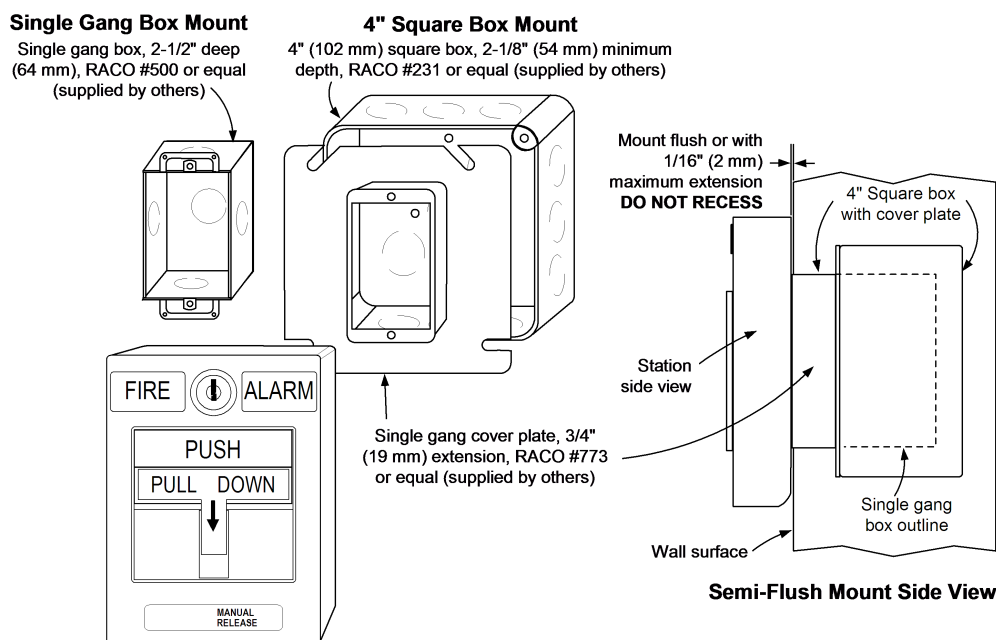(Refer to data sheet *AC2099-0007* for standard Autocall manual stations.)

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* Additional listings may be applicable; contact your local product supplier for the latest status.

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Product Selection

SKU	Description	
A2099-9149	Standard operation, N.O. contact	Manual release station, red housing with white letters and white pull lever; requires label kit A4099-9802
A2099-9152	For Style C operation, N.O. contact with series connected 560 Ω resistor	
A4099-9802	Label kit; select the label required for the specific release application; types include: Clean Agent, Extinguishing, Carbon Dioxide, Foam System, Sprinkler, and Manual	

SKU	Description		Reference
2975-9178	Surface mount red box	Steel	Refer to page 3 for dimensions
2975-9022		Cast aluminum	
2099-9813	Semi-flush trim plate for double gang switch box, red		Typically for retrofit, refer to page 4 for details
2099-9814	Surface trim plate for Wiremold box V5744-2, red		
2099-9819	Flush mount adapter kit	Black	Refer to page 4 for details
2099-9820		Beige	
2099-9804	Replacement break-rod		

Specifications

Wire Connections	Screw terminal for in/out wiring, for 18 to 14 awg wire (0.82 mm^2 to 2.08 mm^2)
Temperature Range	32° to 140° F (0° to 60° C) intended for indoor operation
Humidity Range	Up to 90% RH at 90° F (38° F)
Housing Color	Red with white raised lettering
Material	Housing and pull lever are Lexan polycarbonate or equal
Pull Lever Color	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)
Installation Instructions	574-686AC

Semi-Flush Mounting Reference

Single Gang Box Mount
Single gang box, 2-1/2" deep (64 mm), RACO #500 or equal (supplied by others)

4" Square Box Mount
4" (102 mm) square box, 2-1/8" (54 mm) minimum depth, RACO #231 or equal (supplied by others)

Mount flush or with 1/16" (2 mm) maximum extension **DO NOT RECESS**

4" Square box with cover plate

Station side view

Single gang cover plate, 3/4" (19 mm) extension, RACO #773 or equal (supplied by others)

Single gang box outline

Wall surface

FIRE ALARM
PUSH
PULL DOWN
MANUAL RELEASE

Semi-Flush Mount Side View

Surface Mounting Reference

Preferred Mounting. For surface mounting, the preferred electrical boxes, the 2975-9178 Box and 2975-9022 Cast Box, are shown in the illustration.

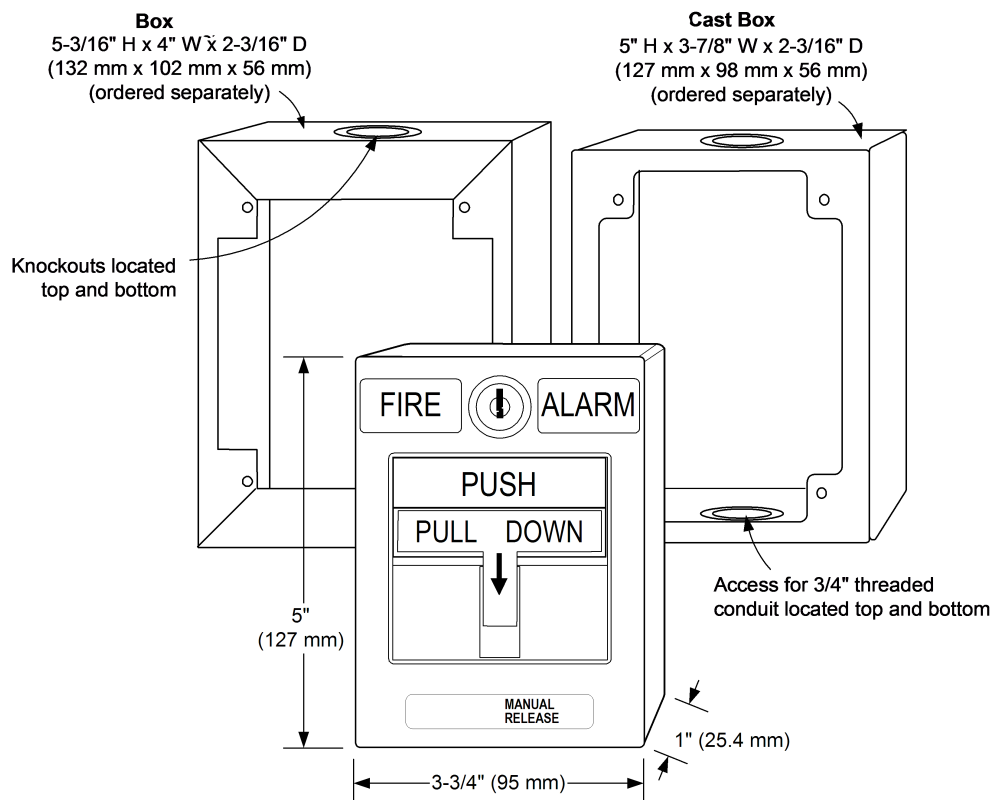**Additional Mounting Reference.** Refer to Additional Mounting Information on page 4

Box
5-3/16" H x 4" W x 2-3/16" D
(132 mm x 102 mm x 56 mm)
(ordered separately)

Cast Box
5" H x 3-7/8" W x 2-3/16" D
(127 mm x 98 mm x 56 mm)
(ordered separately)

Knockouts located
top and bottom

FIRE ALARM

PUSH

PULL DOWN

MANUAL
RELEASE

Access for 3/4" threaded
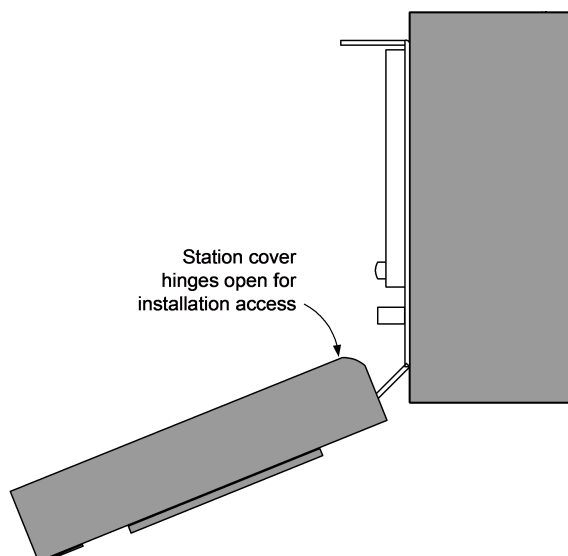conduit located top and bottom

5"
(127 mm)

1" (25.4 mm)

3-3/4" (95 mm)

Fig 2: A2099 Series Manual Release Station

Surface Mount Side View

The illustration shows the side view of the 2975-9178 box.

Station cover
hinges open for
installation access

Additional Mounting Information

For retrofit and new installations, additional compatible mounting boxes and the required adapter plates (the 2099-9814 Surface trim and the 2099-9813 Semi-flush trim) are shown in the illustration.

Surface trim
for Wiremold box
5-1/8" H x 5" W
(130 mm x 127 mm)

Wiremold
receptacle box
model V5744-2
(supplied by
others)

Two gang switch box, each
3" H x 2" W x 2-3/4" D
(76 mm x 51 mm x 70 mm)
(supplied by others)

FIRE ALARM
PUSH
PULL DOWN
MANUAL RELEASE

Semi-flush trim for
2-gang switch box, 6" H x 4-1/2" W
(152 mm x 114 mm)

Flush Mounting Information

Flush mount adapter kit
Black

Beige

Box **must** be recessed into wall
1" to 1-1/8" (25.4 mm to 29 mm)

FIRE ALARM
PUSH
PULL DOWN
MANUAL RELEASE

8"
(203 mm)

6"
(152 mm)

Hole cutout **must** be a
minimum of 6" H by 5" W
(152 mm by 127 mm)

4-11/16" (119 mm)
square box, 2-1/8"
(54 mm) minimum
depth (by others)

Wall surface

4-3/4" (121 mm)

6-3/4" (171 mm)

Front View

Side View