Features

Abort switches provide a manual Fire Suppression System release abort request:

- Pushbutton momentary switch is mounted on a stainless steel single-gang plate
- A protruding collar protects the switch from accidental contact (collar is removable if required)
- Available flush or surface mount
- Flush mounting requires standard single-gang box
- Surface mounting includes a red mounting box
- Models are available with internal 1.2 kΩ resistor for current limited operation

Maintenance switches provide a secure and visible disconnect means for servicing Fire Suppression System Releasing Appliance Circuits (RACs):

- Maintained position keyswitch with key removable only in the normal position
- Disabled position opens connection to output circuit and places a 16.2 kΩ resistor across the input circuit to initiate a supervisory condition at the host panel
- Models with indicator lamp use a bright incandescent bulb with red lens, powered from separate 24 VDC
- Available for flush or surface mount
- Flush mounting requires a standard double-gang box for models with lamp or a standard single gang box for models without lamp.
- Surface mount models includes a red mounting box
- Models with lamp provided with a double gang stainless steel plate. Models without lamp provided with a single gang stainless steel plate.
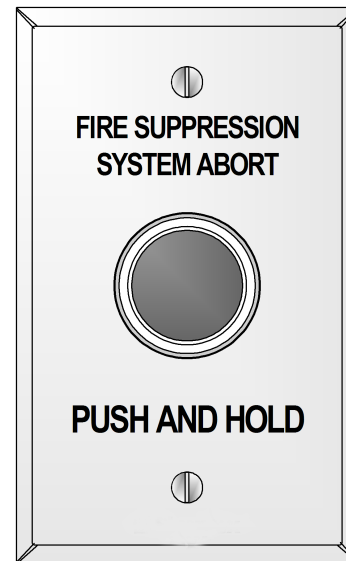
UL listed to Standard 864

Description

Releasing systems require maintenance disconnect switches and often require abort switches. These abort and maintenance switches are clearly labeled and combine easy operation with rugged construction for high integrity operation.

Figure 1: Maintenance Switches, with and without Disconnect Indicator Lamp

Figure 2: Abort Switch

Product Selection

Table 1: Abort Switches

SKU	Description	Listing Status	Details
A2080-9056	Flush mount	UL Listed	Single-gang size; includes 3 position contact block housing with one contact block installed
A2080-9057	Surface mount; includes red mounting box		

Table 2: Abort Switches for 4004R Series Suppression Release Panel Current Limited Operation

SKU	Description	Listing Status	Details
A2080-9067	Flush mount	UL listed	Single-gang size; includes 1.2 kΩ, 1W resistor for current limited operation and 3 position contact block housing with one contact block installed.
A2080-9068	Surface mount; includes red mounting box		

Table 3: Maintenance Switches with Disconnect Indicator Lamp

SKU	Description	Listing Status	Details
A2080-9059	Flush mount	UL & ULC listed	Double-gang size; includes 3 position contact block housing with 2 contact blocks installed; disabled position opens connection to output and places a 16.2 kΩ resistor across the input circuit; resistor is removable if required for retrofit
A2080-9060	Surface mount; includes red mounting box		

Table 4: Maintenance Switches without Disconnect Indicator Lamp

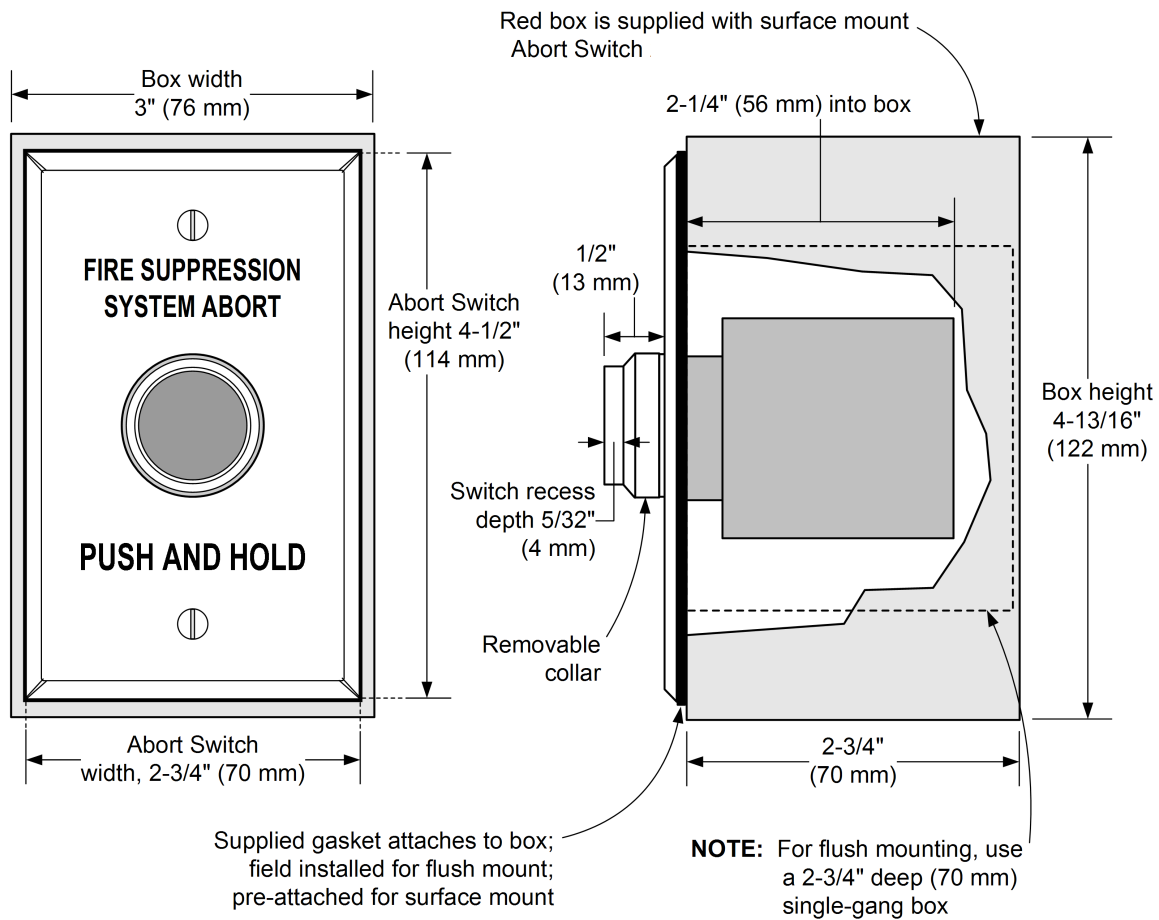| SKU	Description	Listing Status	Details
A2080-9069	Flush mount	UL & ULC listed;	Single-gang size; includes 3 position contact block housing with 1 contact block installed; disabled position opens connection to output and places a 16.2 kΩ resistor across the input circuit; resistor is removable if required for retrofit
A2080-9070	Surface mount; includes red mounting box		

Table 5: Accessories for Field Installation

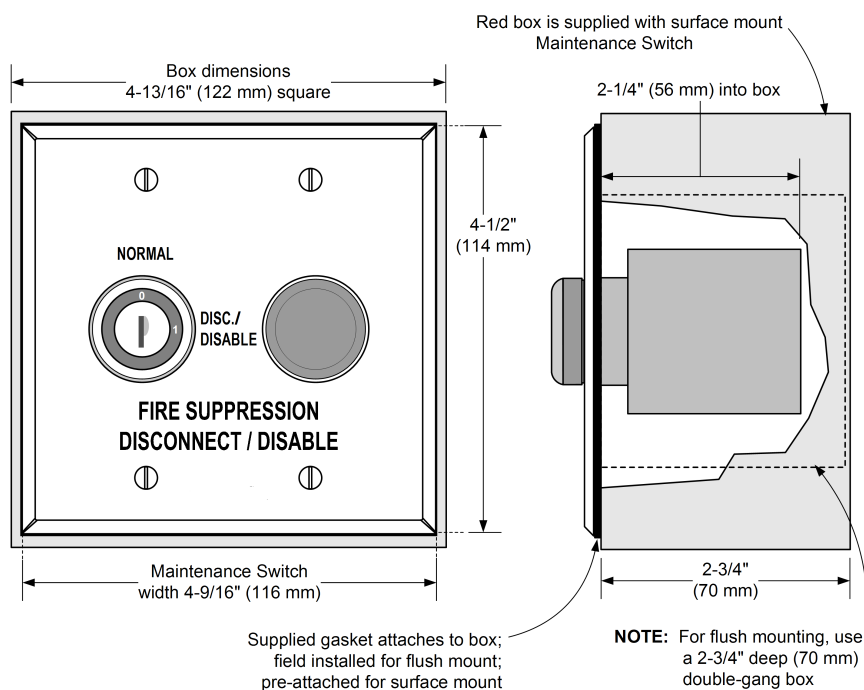| SKU	Description
2080-9061	Additional Contact Block for Abort or Maintenance Switch; 1 Form C contact; UL recognized component for use with these switches; listings and approvals are not applicable

Abort Switch Installation Reference

Box width
3" (76 mm)

Red box is supplied with surface mount
Abort Switch

2-1/4" (56 mm) into box

FIRE SUPPRESSION
SYSTEM ABORT

PUSH AND HOLD

Abort Switch
height 4-1/2"
(114 mm)

1/2"
(13 mm)

Switch recess
depth 5/32"
(4 mm)

Removable
collar

Box height
4-13/16"
(122 mm)

Abort Switch
width, 2-3/4" (70 mm)

2-3/4"
(70 mm)

Supplied gasket attaches to box;
field installed for flush mount;
pre-attached for surface mount

NOTE: For flush mounting, use
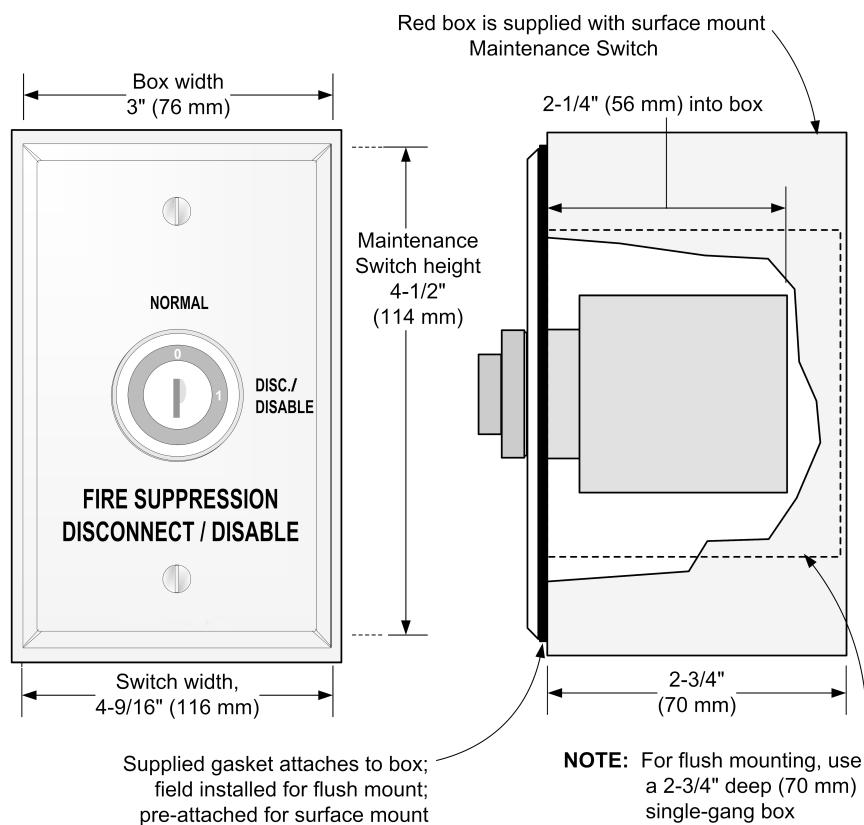a 2-3/4" deep (70 mm)
single-gang box

Note: Red box is supplied with surface mount Abort Switch A2080-9057 or A2080-9068

A2080-9059 and A2080-9060 Maintenance Switch Installation Reference

Red box is supplied with surface mount
Maintenance Switch

2-1/4" (56 mm) into box

Box dimensions
4-13/16" (122 mm) square

NORMAL

0

DISC./
DISABLE

**FIRE SUPPRESSION
DISCONNECT / DISABLE**

4-1/2"
(114 mm)

Maintenance Switch
width 4-9/16" (116 mm)

2-3/4"
(70 mm)

Supplied gasket attaches to box;
field installed for flush mount;
pre-attached for surface mount

NOTE: For flush mounting, use
a 2-3/4" deep (70 mm)
double-gang box

A2080-9069 and A2080-9070 Maintenance Switch Installation Reference

Red box is supplied with surface mount
Maintenance Switch

2-1/4" (56 mm) into box

Box width
3" (76 mm)

NORMAL

0

DISC./
DISABLE

**FIRE SUPPRESSION
DISCONNECT / DISABLE**

Maintenance
Switch height
4-1/2"
(114 mm)

Switch width,
4-9/16" (116 mm)

2-3/4"
(70 mm)

Supplied gasket attaches to box;
field installed for flush mount;
pre-attached for surface mount

NOTE: For flush mounting, use
a 2-3/4" deep (70 mm)
single-gang box

Specifications

Table 6: Electrical Ratings

Electrical Ratings	
Abort Switch; One Contact block	Silver contacts; 1 N.O. & 1 N.C.; rated 2 A resistive @ 30 VDC
Maintenance Switch Control Contact Block (all models)	Circuit control: Silver contacts; 1 normally open & 1 normally closed; rated 2 A resistive @ 30 VDC
Maintenance Switch Lamp Contact Block; (models A2080-9059 and A2080-9060)	Lamp control: Silver contacts; 1 normally open & 1 normally closed; rated 2 A resistive @ 30 VDC
Maintenance Switch Indicator Light (models A2080-9059 and A2080-9060)	Replaceable 2 W incandescent bulb; 24 to 30 VDC typical; 83 mA @ 24 VDC; requires separate 24 VDC

Table 7: Wiring Connections

Wiring Connections	
Abort Switch	Terminal blocks for in/out wiring; 18 to 14 AWG wire (0.82 mm^2 to 2.08 mm^2)
Abort Switch with Current Limited Resistor	Terminal blocks for first wire connection; 18 to 14 AWG wire (0.82 mm^2 to 2.08 mm^2); 18 AWG wire lead for second wire connection
Maintenance Switch	18 AWG (0.82 mm^2) color coded wire leads for suppression circuit; terminal blocks for lamp wiring; 18 to 14 AWG wire (0.82 mm^2 to 2.08 mm^2)
Additional Information	579-416AC, Installation Instructions

Table 8: Environmental Ratings

Environmental Ratings	
Temperature Range	32° F to 120° F (0° C to 49° C)
Humidity Range	Up to 93% at 90°F (32° C)