


SIEMENS MS Series

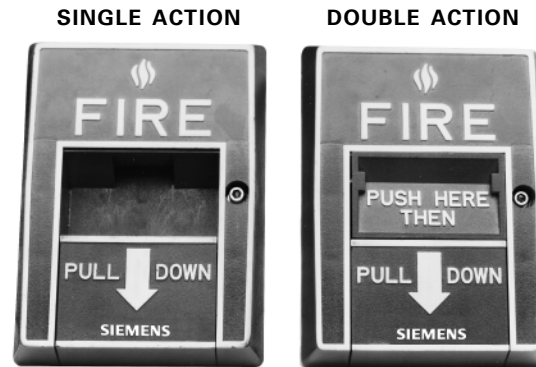


Fire Safety

Manual Fire Alarm Boxes

ENGINEER AND ARCHITECT SPECIFICATIONS

- Durable Plastic Design
- Shock and Vibration Resistant
- Activation Visibly Noticeable
- Optional Contact Arrangements
- Options Include Keyswitch or Alarm Lamp
- No Break Rods Necessary
- Surface or Semi-flush Installation
-  Listed, FM and CSFM Approved
ULC Listed Models Available



Models:
MS-51
MS-52C
MS-53
MS-57

Models:
MS-501 MS-514C
MS-512C MS-517C
MS-513C MS-518C
MS-518

Description

The Siemens Building Technologies, Fire Safety Division Single and Double Action Manual Fire Alarm Boxes have been designed with extreme flexibility in mind to meet a wide variety of application requirements and operation sequences.

These boxes are available with two different operating modes, one being a simple single action function utilizing a "pull-down" lever action. The cover locks in the down position until the box is reset.

On double action manual boxes, except the MS-501, each of the dual actions operates electrical contacts to achieve various electrical sequence functions as desired.

In addition, certain manual boxes can be supplied with an optional alarm indicating lamp and/or a key-operated electrical switch (N.O. SPST) for operating electrical circuits without manually activating the "push-in" tab or "pull-down" lever.

All Fire Safety manual fire alarm boxes are Underwriters Laboratories, Inc., listed.

Flexibility of Application

The single action models contain one normally open contact, except for the MS-57 which contains two normally open contacts. It is intended for use with Fire Safety low voltage systems. These manual boxes can be used for connection to existing fire alarm systems of other manufacturers (reference Electrical Information Table).

With the double action box, the optional switch on the first action may be used for supervisory tamper indication. It may also be used to alarm one zone of a cross-zoned fire extinguishing system fire extinguishing system where the main action would alarm the second zone, for example, for use in the arming of a pre-action system.

The optional lamp may be an alarm lamp for the box, similar to the detector alarm lamp, or it may be energized from a remote source to indicate the alarm has been received by the system. The lamp may also be connected to the system so that the first action of a double action box will light the lamp. For instance, this feature could be used to discourage pranksters from pulling the main action lever.

Technical information

The Fire Safety single and double action manual fire alarm boxes are constructed of durable molded polycarbonate material, matte finish in red with raised lettering in white. The housing for the single action box accommodates a "pull-down" lever which, when operated, locks in position after releasing a spring-loaded contact switch. Restoring the system to normal can only be accomplished by opening the cover of the hinged housing with an Allen key and then closing and locking the cover.

The housing for the double action box, in addition to the above, incorporates a "push-in" tab. This tab must be operated first to permit access to the "pull-down" lever. An additional spring-loaded contact switch, which is released upon operation of the "push-in" tab, is available on Models MS-512C, MS-513C, MS-514C, MS-517C and MS-518. Resetting of the box is as described above with an Allen key.

If desired, the boxes can be supplied with a 24V alarm indicating lamp and/or key-operated switch for special operating functions.

All models are fitted with screw-type terminals for special operating functions as necessary.

CATALOG NUMBER **6183**

Replaces Catalog Number 6181

Engineer and Architect Specifications

The manual fire alarm box shall be a Fire Safety Model _____ (See chart for model number) with Underwriters Laboratories, Inc., listing.

The body of the manual box shall be hinged to a backplate assembly to which it is locked with an Allen head screw. Resetting the box after operating shall require opening the box momentarily, and then locking the body to the backplate. Provision shall be made for surface or semi-flush mounting to conduit boxes.

Single Action Model

The single action box, which shall be of the non-code type, shall consist of a molded housing fitted with a "pull-down" lever, which, when operated, locks in position after releasing a spring-loaded contact switch to effect activation of the alarm circuit.

Double Action Model

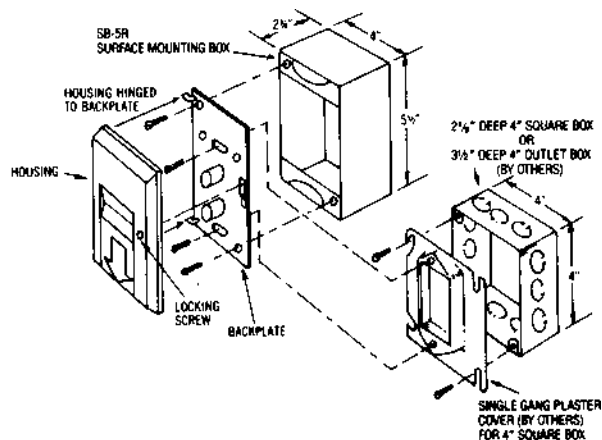
The double action box, which shall be of the non-code type, shall consist of molded housing, fitted with a "pull-down" lever and a "push-in" tab. It shall be necessary to operate the "push-in" tab first to provide access to the "pull-down" lever, which, when operated, locks in position after releasing a spring-loaded contact switch to effect actuation of the alarm circuit.

The manual box can also be fitted with an alarm lamp and a key-operated switch to achieve the electrical sequence functions desired.

Accessories

Model Number	Description	Shipping Weight		Part Number
		Lb.	Kg.	
SB-5R	Surface Mounting Box	2.5	1.1	310-019860
Reset Key LPT	Reset Key Package (Contains 2 Allen Keys)	.5	.2	500-620490

Mounting Data



For additional mounting options refer to the Fire Safety Device mounting Guide

Electrical Information

	Model Number	Switch Contacts & Ratings			24V Alarm Lamp
		Main Action	First Action	Keypress	
SINGLE ACTION BOX	MS-51	N.O. SPST .75A @ 125 VAC/DC			
	MS-52C	N.O. SPST .12A @ 28 VAC/DC			Illuminated by main action switch or by external power with resistor and jumper removed
	MS-53	N.O. SPST .75A @ 125 VAC/DC		N.O. SPST 1A @ 250 VAC/DC 3A @ 125 VAC/DC	
	MS-57	N.O. DPST 1A @ 250 VAC/DC 3A @ 125 VAC/DC			
DOUBLE ACTION BOX	MS-501	N.O. SPST .75A @ 125 VAC/DC			
	MS-512C	N.O. SPST .12A @ 28 VAC/DC	N.O. SPST .75A @ 125 VAC/DC		Illuminated by main action switch or by external power with resistor and jumper removed
	MS-513C	N.O. SPST .75A @ 125 VAC/DC	N.O. SPST .75A @ 125 VAC/DC	N.O. SPST 1A @ 250 VAC/DC 3A @ 125 VAC/DC	
	MS-514C	N.O. SPST .12A @ 28 VAC/DC	N.O. SPST .75A @ 125 VAC/DC	N.O. SPST 1A @ 250 VAC/DC 3A @ 125 VAC/DC	Illuminated by main action switch or by external power with resistor and jumper removed
	MS-517C	N.O. DPST 1A @ 250 VAC/DC 3A @ 125 VAC/DC	N.O. SPST .75A @ 125 VAC/DC		
	MS-518	N.O. SPST .75A @ 125 VAC/DC	N.C. SPST 3A @ 250 VAC/DC		

NOTICE: The use of other than Fire Safety detectors and bases with Fire Safety control equipment will be considered a misapplication of Fire Safety equipment and as such void all warranties either expressed or implied with regards to loss, damage, liabilities and/or service problems.