



Owner's  
Manual

SES Brand

# Remote Manual Control for NAE Series Automatic Extinguishers

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in  
**Control**  
Systems & Automation

OMNAE50-0010



# Introduction

The remote manual control kit enables the automatic extinguisher to be manually controlled from a safe, remote location.

The remote manual control is required for all automatic fire extinguishers installed on commercial boats, and is recommended for units installed in industrial and commercial buildings.

Should a fire be discovered manually, the remote manual control enables the automatic extinguisher to be operated immediately, before automatic operation. This provides an extra degree of protection, helps to minimize fire damage and improves personnel safety.

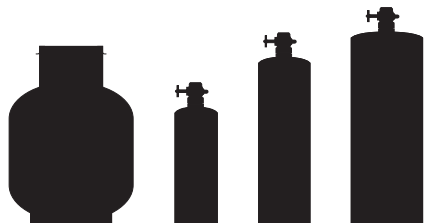
## Description Of Equipment

Two assemblies make up the remote manual control:

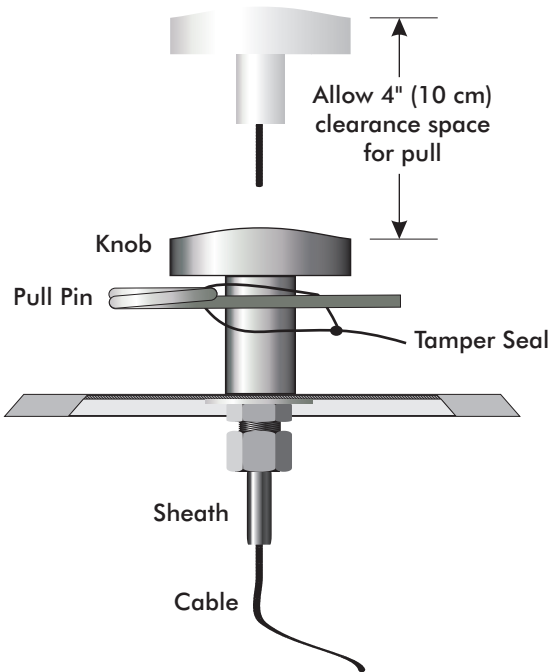
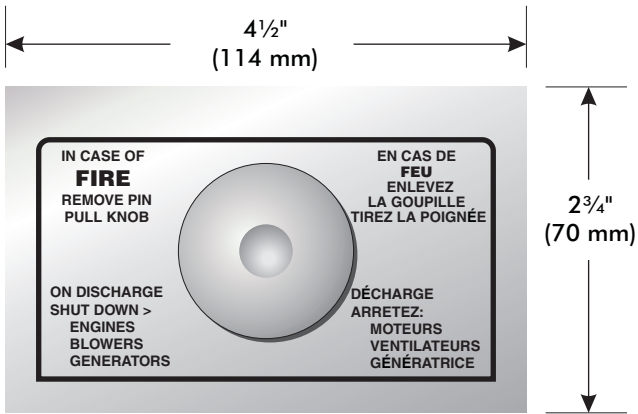
- a) Actuator Assembly
- b) Pull Station and Cable Assembly.

The actuator assembly comprises a plunger mounted on a bracket. The bracket is designed to be fixed to the top of the discharge head of the automatic extinguisher, using two screws. The plunger is operated by a spring which is held in the compressed position by a pull pin. When the pull pin is removed, the spring is released and the plunger is forced down to break the bulb of the sprinkler.

The pull station and cable assembly comprises a knob attached to a 1/16 inch diameter stainless steel cable, and a sheath attached to a stainless steel plate. The cable slides within the sheath. The plate is used as an anchor for the knob and also provides operating instructions. On installation, the end of the cable is attached to the pull pin of the actuator, which enables the pull pin to be removed from a remote location.

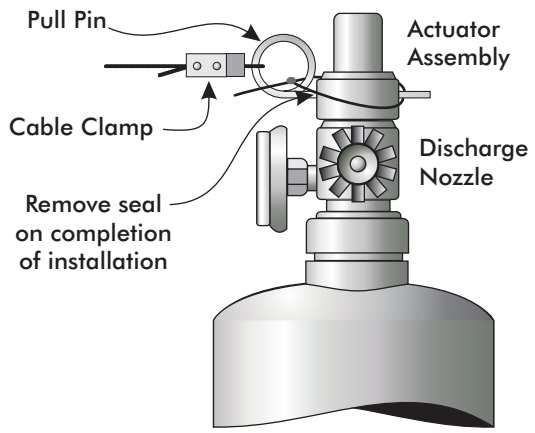
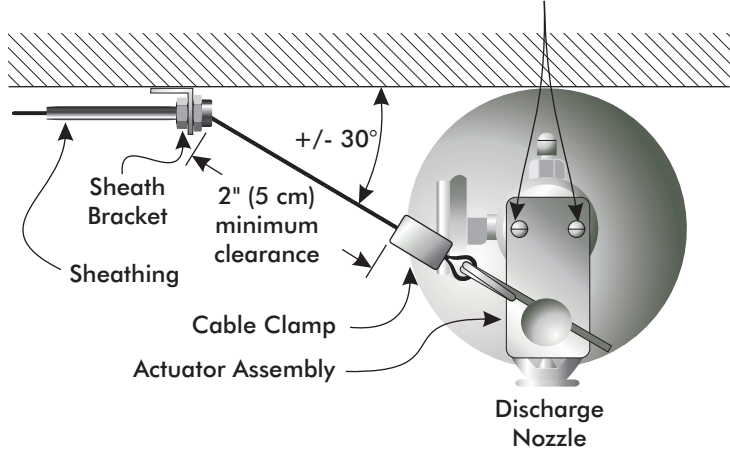


# Pull Station



# Actuator Assembly

Bolt actuator assembly onto top of discharge head with #8-32 screws provided



# Installation

Install the remote manual control system only after installing the automatic fire extinguisher.

**Ensure the cylinder assembly is fixed securely in the cylinder bracket.**

**Ensure the pull pin is installed and sealed in the actuator to prevent accidental discharge of the extinguisher during installation of the remote manual system**

1. Select the location for the pull station.

For boat use, the pull station may be mounted on the helm instrument panel or on a standard switch box located adjacent to the helm.

For industrial use, the pull station should be mounted on a standard switch box installed 3-5 feet above floor level, in a readily accessible location in egress from protected space, or just outside the protected space.

2. Install the switch box, if used, onto a solid structural member using screws or bolts. If pull station is to be mounted on the helm instrument panel, align plate and drill one hole 9/16 inch diameter for the cable and sheath to pass through, and two bolt holes 3/16 inch diameter.
3. Determine the shortest route to run the cable and sheath from the pull station to the cylinder location.

Ensure the installation of the cable and sheath does not prevent normal operation or maintenance of other equipment.

4. Remove a knock-out from the switch box, thread cable and sheath from the front of the box through the hole and attach the pull station plate to the box. Or, pass cable and sheath through hole in helm instrument panel and bolt plate onto panel.
5. Mount sheath bracket onto wall adjacent to cylinder. Attach sheath to bracket using the 3/8 inch NPT nut provided, sheath.

6. Secure the sheath against a wall or other solid objects, approximately every 2 feet (61 cm), using the clips provided. Wherever sheath must be bent, the minimum radius of bend shall be 2 inches (5 cm).
7. Attach actuator to the top of the cylinder discharge head using the two #8-32 screws provided. Ensure actuator is over discharge bulb.
8. Thread end of cable through cable clamp, through actuator pull pin, and back through the cable clamp. Take up slack in cable, making the loop around the pull pin as small as possible. Lock cable in cable clamp by tightening the set screws.
9. On completion of installation, remove tamper seal from actuator pull pin.

The system is now ready for operation.

## Operation

1. Twist the pull pin to break tamper seal, and remove pull pin from the pull station.
2. Pull the knob hard. (The knob should move a minimum of two inches.)

## After a Fire

Replace all components that have been damaged by or exposed to the fire.

# Maintenance

## Monthly:

1. Visually inspect all components for damage, corrosion and alteration.
2. Check to ensure the two pull pins are still in place, and that the one at the pull station is still secured by a tamper seal.
3. Make sure that boxes and other objects have not been placed in front of the pull station, or where they would prevent access to the pull station in the event of a fire.

## Yearly:

Operate the remote control system.

To do this without discharging the extinguishing agent:

1. Remove the actuator from the top of the cylinder discharge head.
2. Turn the cylinder in the cylinder bracket 180 degrees, so that sprinkler faces wall.
3. Re-install the actuator on top of the discharge head so that the actuator is not over sprinkler.
4. Operate system in a normal manner.

The plunger of the actuator should protrude below the bottom of the actuator body.

## After operation:

1. Reset actuator by pushing up on plunger and re-installing pull pin.
2. Turn cylinder 180 degrees in its bracket, back to its normal position.
3. Reinstall the system.