

# RELA-SRV-1 Service Disconnect Switch RELA-ABT Abort Switch

## RELA-SRV-1 Service Disconnect Switch



The RELA-SRV-1 Service Disconnect Switch is a key operated, manual switch station. It has both a normally closed and normally open dry contact relay. The switch is used to disconnect the releasing module for servicing.

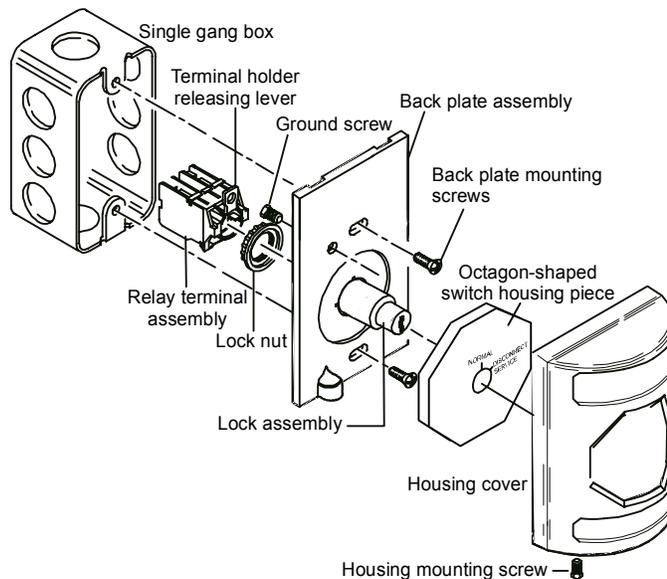
## Specifications

Voltage and rated average current  
30 Vdc at 2 A, 250 Vdc at 1 A, 600 Vac at 3 A  
Wire: 12 to 18 AWG  
Dimensions: 3.25 x 4.87 x 3.87 in (82 x 124 x 98 mm) (W x H x D)

## Installation instructions

### To install the RELA-SRV-1:

1. Install the ground screw in the back of the back plate assembly.
2. Connect the lock assembly to the back plate. Pass the threaded portion of the lock assembly through the back plate and secure it with the lock nut. Make sure the keyhole is in a vertical position.
3. Push the relay holder onto the back of the lock assembly until it snaps into place. Make sure the releasing lever is pointed up.
4. Wire the relays. See the "Wiring diagram" for details.
5. Mount the back plate assembly to an existing single gang electrical box using the #6-32 screws provided.
6. Push the octagon-shaped switch housing piece onto the lock assembly with "Normal" at the top of the keyhole.
7. Connect the housing cover to the back plate assembly using the housing screw provided.



You may need to remove the relay holder or a relay to make wiring easier or you may need to install a different relay. Use the installation instructions that follow to perform these tasks.

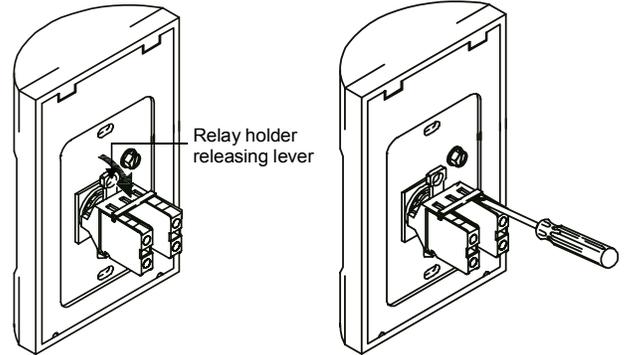
### To remove the relay holder:

1. Hold the housing firmly in one hand.

2. Apply downward pressure on the relay holder releasing lever.
3. Remove the relay holder and relays.

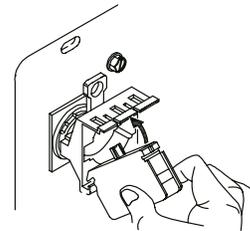
### To remove a relay:

1. Insert a small screwdriver where the relay connects into the relay holder.
2. Pry upward to release the relay from the holder.



### To install a relay:

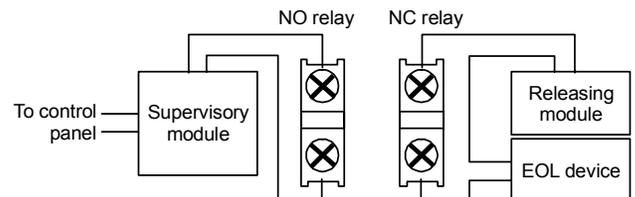
1. Insert the bottom of the relay in the bottom slot on the relay holder.
2. Push upward to lock the relay in place in the top of the relay holder.



## Wiring diagram

A normally closed (NC) and a normally open (NO) relay are provided. Wire the normally closed relay to the releasing module circuit. Wire the normally open relay to a supervisory module.

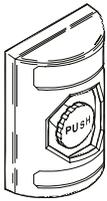
**Note:** UL requires that the supervisory module must be configured as a supervisory point and must report to the control panel.



## Operation

A key is required to operate the RELA-SRV-1. Two keys are provided with the switch. The key is used to activate and reset the switch. The key can be removed from the switch in either mode. The switch disconnects the releasing module for servicing. When activated, an open event and a supervisory event are indicated at the control panel.

## RELA-ABT Abort Switch



The RELA-ABT Abort Switch is a normally open dry contact device, which is used to stop the release of an agent. A push button is used to close the switch and abort the agent release.

### Specifications

Voltage and rated average current

30 Vdc at 2 A, 250 Vdc at 1 A, 600 Vac at 3 A

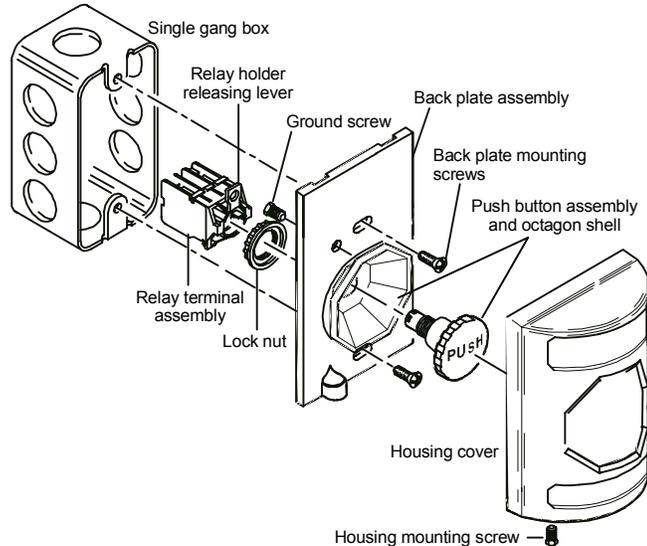
Wire: 12 to 18 AWG

Dimensions: 3.25 x 4.87 x 3.87 in (82 x 124 x 98 mm) (W x H x D)

### Installation instructions

#### To install the RELA-ABT:

1. Install the ground screw in the back of the back plate assembly.
2. Place the push button assembly into the octagon shell so that the threads pass through the back of the shell.
3. Connect the push button assembly and octagon shell to the back plate. Pass the threaded portion of the push button assembly through the back plate and secure it with the lock nut. Make sure the push button is oriented correctly.
4. Push the relay holder onto the back of the lock assembly until it snaps into place. Make sure the releasing lever is pointed up.
5. Wire the relays. See the "Wiring diagram" for details.
6. Mount the back plate assembly to an existing single gang electrical box using the #6-32 screws provided.
7. Connect the housing cover to the back plate assembly using the housing screw provided.



You may need to remove the relay holder or a relay to make wiring easier or you may need to install a different relay. Use the installation instructions that follow to perform these tasks.

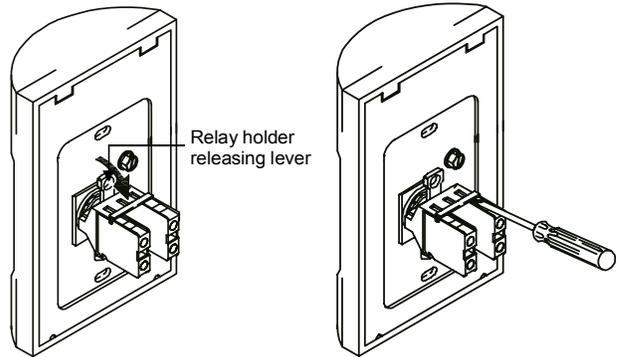
#### To remove the relay holder:

1. Hold the housing firmly in one hand.
2. Apply downward pressure on the relay holder releasing lever.
3. Remove the relay holder and relays.

#### To remove a relay:

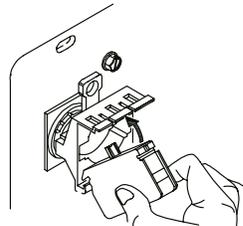
1. Insert a small screwdriver where the relay connects into the relay holder.

2. Pry upward to release the relay from the holder.



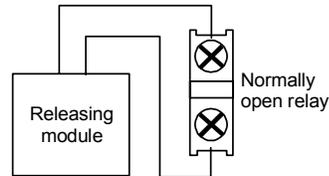
#### To install a relay:

1. Insert the bottom of the relay in the bottom slot on the relay holder.
2. Push upward to lock the relay in place in the top of the relay holder.



### Wiring diagram

A normally open (NO) relay is provided.



### Operation

The push button on the RELA-ABT is used to abort (stop) the release of the fire agent within its controlled area.

Push and hold the "PUSH" button to stop the release of the agent. When the push button is released, operation is controlled according to the releasing module's configuration. If you are using the SIGA-REL releasing module, refer to the *SIGA-REL Technical Reference Manual* for specific push button operation.