Alarm Controls TS-18

Alarm Controls TS-18 Under Desk Surface Mount Push Button User Manual

Model: TS-18

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Alarm Controls TS-18 Under Desk Surface Mount Push Button. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PRODUCT OVERVIEW

The Alarm Controls TS-18 is a robust, surface-mount push button designed for various control applications. It features an SDT (Single-Pole, Double-Throw) momentary switch, providing reliable contact closure for activation. Its design allows for convenient under-desk or other surface mounting.
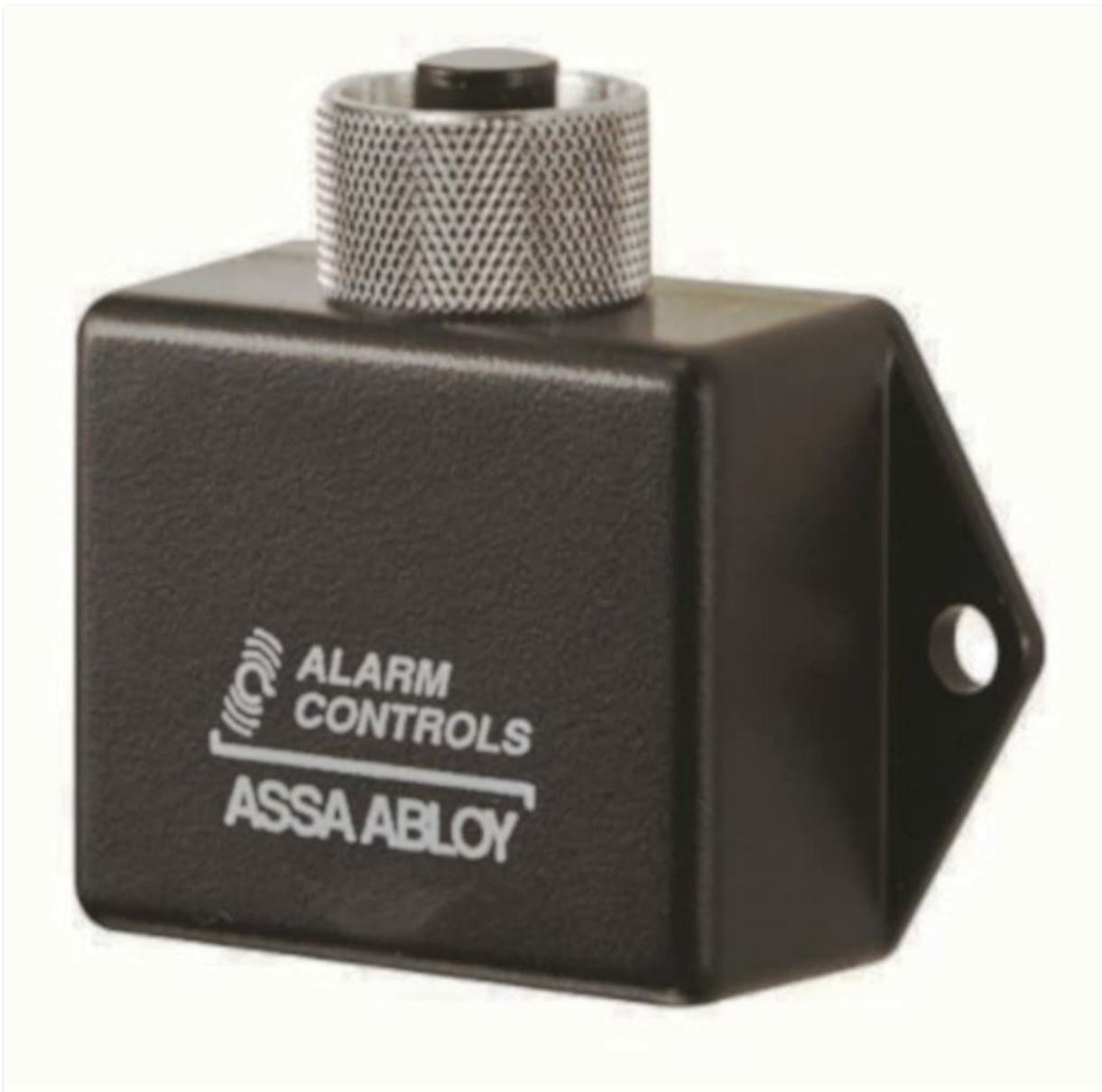
Figure 1: Alarm Controls TS-18 Under Desk Surface Mount Push Button. This image shows the compact design of the push button, suitable for discreet installation.

Key Features:

- **SDT Momentary Switch:** Provides a temporary contact closure when pressed.
- **Contact Rating:** 4A @ 28VDC, suitable for low-voltage control circuits.
- **Surface Mount Design:** Easy installation on various surfaces, including under desks.

SPECIFICATIONS

Feature	Detail
Model Number	TS-18
Switch Type	SDT Momentary
Contact Rating	4A @ 28VDC
Mounting Type	Surface Mount (Under Desk)
Product Dimensions	3 x 5 x 2 inches

Feature	Detail
Brand	Alarm Controls
Manufacturer	ALARM CONTROLS
ASIN	B008UTF8RS
UPC	765066001988

SETUP AND INSTALLATION

The TS-18 push button is designed for surface mounting. Proper installation is crucial for reliable operation. It is recommended that installation be performed by a qualified technician, especially when connecting to existing electrical systems.

Installation Steps:

1. **Choose Mounting Location:** Select a flat, stable surface, such as the underside of a desk or counter, where the button will be easily accessible but protected from accidental activation.
2. **Secure the Unit:** Use appropriate screws (not included) to securely fasten the TS-18 to the chosen surface. Ensure the unit is firmly attached to prevent movement during operation.
3. **Wiring:**

   - Identify the appropriate wiring terminals on the TS-18. As an SDT (Single-Pole, Double-Throw) switch, it typically has common, normally open (NO), and normally closed (NC) terminals.
   - Connect the control wires from your system (e.g., access control panel, alarm system) to the corresponding terminals on the TS-18. Refer to your system's documentation for specific wiring requirements.
   - Ensure all connections are secure and properly insulated to prevent short circuits.
4. **Test Functionality:** After installation and wiring, test the button's operation with the connected system to confirm it functions as intended.

Important: Always disconnect power to the system before performing any wiring to prevent electrical shock or damage to components.

OPERATING INSTRUCTIONS

The TS-18 is a momentary push button. Its operation is straightforward:

- **Activation:** Press the button firmly. The internal switch contacts will change state (e.g., Normally Open contacts will close, Normally Closed contacts will open) for as long as the button is held down.
- **Deactivation:** Release the button. The internal switch contacts will return to their original state.

The specific action triggered by pressing the button (e.g., unlocking a door, activating an alarm) depends on the system to which the TS-18 is connected.

MAINTENANCE

The Alarm Controls TS-18 push button requires minimal maintenance to ensure long-term reliability.

- **Cleaning:** Periodically wipe the surface of the button with a soft, dry cloth to remove dust and debris.

Avoid using abrasive cleaners or solvents, which may damage the finish.

- **Inspection:** Annually inspect the mounting screws and wiring connections to ensure they remain secure. Check for any signs of wear or damage to the button or its housing.
- **Functionality Check:** Periodically test the button's operation to confirm it activates the connected system reliably.

TROUBLESHOOTING

If the TS-18 push button is not functioning as expected, consider the following common issues:

Problem	Possible Cause	Solution
Button does not activate system	- Incorrect wiring - Loose wire connections - Faulty button - Issue with the connected system	- Verify wiring against system diagrams. - Check all wire connections for tightness. - Test the button with a multimeter for continuity. - Consult the manual for the connected system.
Button feels stuck or unresponsive	- Physical obstruction - Internal mechanical failure	- Inspect for debris around the button. - If internal failure is suspected, replacement may be necessary.

For persistent issues, contact Alarm Controls customer support or a qualified technician.

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Alarm Controls TS-18 push button, please contact Alarm Controls directly or refer to their official website. Keep your purchase receipt for warranty claims.

Manufacturer: ALARM CONTROLS