

ASI TLP3.D

ASI TLP3.D Compact 3 Position Lift Pendant Station User Manual

Model: TLP3.D

INTRODUCTION

The ASI TLP3.D is a compact 3-position pendant station designed for hoist and lift applications, such as those found in truck or tailgate lifts and boat lifts. This robust unit integrates a selector switch and dedicated UP-Down push-button switches, providing intuitive control for various lifting operations. Its durable construction ensures reliable performance in demanding industrial environments.

PRODUCT FEATURES

- Designed for emergency stop pendant stations.
- Waterproof NEMA 4X, IP65 rated enclosure for protection against dust and water jets.
- Shockproof and heat-resistant double insulated housing for enhanced durability.
- Easy-to-wire spring clamp terminations simplify installation.
- UL508 compliant for industrial control equipment.
- Laser-engraved push buttons and selector switch with shrouded covers to prevent accidental operation.
- Equipped with a M20 cable gland for watertight cable entry.

WHAT'S IN THE BOX

- 1 x ASI TLP3.D 3-button pendant station

SPECIFICATIONS

Specification	Value
Product Dimensions	5.9 x 2.75 x 1.8 inches

Item Weight	10.58 ounces
Model Number	TLP3.D
Manufacturer	Giovenzana
Country of Origin	Italy
Operation Mode	Push Button
Contact Type	Normally Open (NO)
Connector Type	Spring Clamp
Circuit Type	3-way
Actuator Type	Push Button
Contact Material	Copper
International Protection Rating	IP65

SETUP AND INSTALLATION

The TLP3.D pendant station is designed for straightforward installation. It can be direct panel mounted or used as a mobile unit with an optional holder. Ensure all wiring is performed by a qualified professional in accordance with local electrical codes and safety regulations.

1. **Mounting:** Secure the pendant station to a stable surface using appropriate fasteners through the designated mounting points. If using as a mobile unit, ensure the optional holder provides a secure grip.
2. **Wiring:** Open the enclosure to access the spring clamp wire terminations. Connect the control circuit wires to the respective Normally Open (NO) contact blocks for the UP, DOWN, and selector switch functions. Refer to your system's wiring diagram for correct connections.
3. **Cable Entry:** Utilize the M20 cable gland to ensure a watertight seal where the control cable enters the enclosure. Tighten the gland securely to maintain the IP65 rating.
4. **Testing:** Before full operation, perform a functional test to ensure all buttons and the selector switch operate as intended and the connected equipment responds correctly.



Figure 1: The ASI TLP3.D Compact 3 Position Lift Pendant Station. This image shows the yellow housing with a white 'UP' button, a black selector switch, and a black 'DOWN' button. The unit features a top mounting eyelet and visible screws for securing the enclosure.

OPERATION

The TLP3.D pendant station provides intuitive control for lift and hoist applications:

- **UP Button:** Press the white button with the upward arrow to activate the 'UP' function of the connected equipment.
- **DOWN Button:** Press the black button with the downward arrow to activate the 'DOWN' function of the connected equipment.
- **Selector Switch:** The black selector switch with a white lever provides an additional control function, typically used for mode selection or enabling/disabling specific operations. Rotate the switch to the desired position as indicated by your system's requirements.
- **Safety:** The shrouded covers over the buttons help prevent accidental activation. Always ensure the area is clear before operating the lift or hoist.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your TLP3.D pendant station.

- **Cleaning:** Periodically clean the exterior of the pendant station with a damp cloth. Avoid using harsh chemicals or abrasive cleaners that could damage the housing or labels.
- **Inspection:** Regularly inspect the housing for any signs of damage, cracks, or wear. Check the cable gland for tightness and ensure the cable is not frayed or damaged.
- **Functionality Check:** Periodically test the responsiveness of the UP, DOWN, and selector switches. Ensure they return to their neutral positions smoothly.
- **Environmental Protection:** The IP65 and NEMA 4X ratings provide excellent protection against dust and water. Ensure the enclosure remains sealed and undamaged to maintain these protective qualities.

TROUBLESHOOTING

If you encounter issues with your TLP3.D pendant station, consider the following common troubleshooting steps:

- **No Response from Buttons:**
 - Check all wiring connections to ensure they are secure and correctly terminated.
 - Verify that power is supplied to the control circuit.
 - Inspect the internal contact blocks for any visible damage or loose connections.
- **Intermittent Operation:**
 - Ensure the cable gland is tightly sealed to prevent moisture ingress, which can cause intermittent faults.
 - Check for any signs of corrosion on the terminals.
 - Verify that the buttons and selector switch move freely without obstruction.
- **Physical Damage:**
 - If the housing is cracked or severely damaged, the IP/NEMA rating may be compromised. The unit may need replacement.

For issues not resolved by these steps, please contact ASI technical support.

WARRANTY AND SUPPORT

The ASI TLP3.D Compact 3 Position Lift Pendant Station is manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the official ASI website or contact your authorized distributor. Keep your purchase receipt for warranty claims.