

# Pendant Series 60



# Conductix Incorporated

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## **1.0 Features and Specifications**

1.1 Features

1.2 Mechanical Specifications

1.3 Electrical Specifications

## **2.0 Installation**

2.1 Legend Sheet Replacement

# 1.0 Features and Specifications

## NEMA 4X and 12, General Purpose Hoist Pendant Station

### 1.1 Features

- 1.0.1 Available in 2, 4, 6, 8 button with maintained on-off and single speed switches.
- 1.0.2 The enclosure is a high-visibility orange color and is constructed of high-impact, high strength plastic, for operator safety.
- 1.0.3 Pendant is ergonomically designed for single hand operation with low effort pushbuttons for reduced operator fatigue.
- 1.0.4 The unit is dust-tight, water-tight, and completely insulated to prevent electrical shock.
- 1.0.5 An external strain-relief tie point and an internal cable-clamp are provided for added support.
- 1.0.6 A multi-stepped flexible cable entry bushing with band clamp prevents entry of foreign matter, and is easily selected to fit cable diameter.
- 1.0.7 Various standard pushbutton legends are available for marking each pushbutton.
- 1.0.8 Designed for NEMA4X wash down indoor use.

### 1.2 Mechanical Specifications

- 1.1.1 **RECOMMENDED CABLE:** Type SO or equivalent, copper conductors, 75°C.
- 1.1.2 **CABLE DIAMETERS FOR BUSHINGS SUPPLIED:** Min. 8mm through 20mm Max.
- 1.1.3 **EXTERNAL STRAIN RELIEF:** An external strain-relief tie point on the bushing collar has been supplied for the connection of an external-relief wire attached to the upper junction box of the cable.
- 1.1.4 **TORQUE VALUES:**
  - Enclosure screws: 15 in.-lbs.
  - Internal cable-clamp: 10 in.-lbs.
  - Electrical terminal screws: 10 in.-lbs.
  - Switch mounting screws: 20 in.-lbs.
  - External band clamp: 10 in.-lbs.
  - (Do not over tighten!)**
  - Cable bushing collar: 25 in.-lbs.

### 1.3 Electrical Specifications

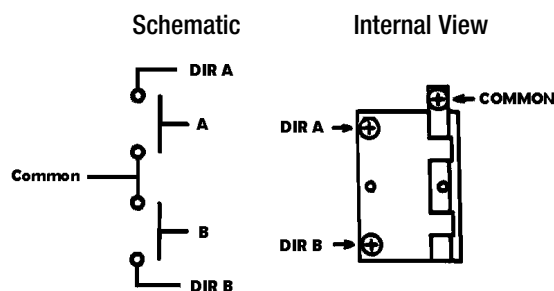
General purpose 120VAC, 5A and Pilot Duty B150. ACIS rating: 250VAC, 2A for 500,000 operations.

**Warning! Turn off all power supply sources and lockout while working on pendant.**

## 2.0 Installation

- 2.0.1 Loosen rear cover screws and remove back cover from pendant.
- 2.0.2 Remove two (2) screws on top of pendant and remove top bushing collar. Slide the external cable-bushing collar up the cable before putting the cable through the bushing.
- 2.0.3 Slide the bushing and band clamp over the cable making sure the bushing fits snugly over the cable. If the bushing is loose, an adequate seal will not be achieved and moisture may leak inside the pendant. Contact Conductix-Wampfler or your dealer should the cable fit too loosely. Use a lubricant if necessary to feed the cable through the bushing.

**Fig.1**



- 2.0.4 Slide the cable into the top of the pendant, and underneath the internal cable-clamp. Slide the bushing collar down the cable and over the bushing, and screw down into place making sure that the bottom of the bushing is seated properly in the top of the pendant. Tighten the internal cable clamp to recommended torque values. Tighten band clamp for a water tight seal at cable entry. Observe torque recommendations.
- 2.0.5 Terminate wires to be connected to the unit with UL listing ring terminals. Connect wiring connections to the push-button terminals, tighten using the recommended torque values above. Keep wire lengths as short as possible.
- 2.0.6 Once wires have been terminated inspect for correct operation of contacts. Depress each pushbutton and verify that each button returns freely to open position. Also check operation of mechanical interlock. Tighten switch mounting screws if switch block appears loose. Observe torque values above when installing or replacing any components.
- 2.0.7 Two methods of strain relief are available with the COB60. Choose the one most suitable to your application.
  - 2.0.7.1 External strain relief cable or chain connected to bushing collar via "S" hook.
  - 2.0.7.2 No additional strain relief clamp wire with cable clamp only.
- 2.0.8 Reinstall the rear cover observing torque values above.
- 2.0.9 Check operation of pendant before returning to service. Do not use any piece of equipment that demonstrates irregular operation.

### 2.1 Legend Insert Replacement

- 2.1.1 Remove existing legend insert by using a small screwdriver to pry off the plastic button cover.
- 2.1.2 Place the new insert in the recessed area, and replace the plastic cover by lining up the guide notches and depressing it into place.
- 2.1.3 All Conductix-Wampfler 60 Series pushbutton switches come equipped with an ANSI warning label. Should this label become illegible contact Conductix-Wampfler for a replacement.

# Notes

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[www.conductix.com](http://www.conductix.com)

**Conductix-Wampfler**

10102 F Street  
Omaha, NE 68127  
USA

Customer Support

Phone: 800 521 4888

Fax: 800 780 8329

Phone: 402 339 9300

Fax: 402 339 9627

[info.us@conductix.com](mailto:info.us@conductix.com)

[www.conductix.com](http://www.conductix.com)

