Pendant 60 Series
Manual
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Seller agrees to repair or exchange the goods sold hereunder necessitated by reason of defective workmanship and material discovered and reported to Seller within one year after shipment of such goods to Buyer.

Except where the nature of the defect is such that it is appropriate, in Seller’s judgment, to effect repairs on site, Seller’s obligation hereunder to remedy defects shall be limited to repairing or replacing (at Seller’s option) FOB point of original shipment by Seller, any part returned to Seller at the risk and cost of Buyer. Defective parts replaced by Seller shall become the property of Seller.

Seller shall only be obligated to make such repair or replacement if the goods have been used by Buyer only in service recommended by Seller and altered only as authorized by Seller. Seller is not responsible for defects which arise from improper installation, neglect, or improper use or from normal wear and tear.

Additionally, Seller’s obligation shall be limited by the manufacturer’s warranty (and is not further warranted by Seller) for all parts procured from others according to published data, specifications or performance information not designed by or for Seller.

Seller further agrees to replace or at Seller’s option to provide a refund of the sales price of any goods that do not conform to applicable specifications or which differ from that agreed to be supplied which non-conformity is discovered and forthwith reported to Seller within thirty (30) days after shipment to the Buyer. Seller’s obligation to replace or refund the purchase price for non-conforming goods shall arise once Buyer returns such goods FOB point of original shipment by Seller at the risk and cost of Buyer. Goods replaced by Seller shall become the property of Seller.

There is no guarantee or warranty as to anything made or sold by Seller, or any services performed, except as to title and freedom from encumbrances and, except as herein expressly stated and particularly, and without limiting the foregoing, **there is no guarantee or warranty, express or implied, of merchantability or of fitness for any particular purpose or against claim of infringement or the like.**

Seller makes no warranty (and assumes no liability) as to function of equipment or operation of systems built to Buyer’s design or of the ability of any goods to interface, operate or function with any portions of Buyer’s system not provided by Seller.

Seller’s liability on any claim, whether in contract, tort (including negligence), or otherwise, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair, replacement or use of any products or services shall in no case exceed the price paid for the product or services or any part thereof which give rise to the claim. In no event shall Seller be liable for consequential, special, incidental or other damages, nor shall Seller be liable in respect of personal injury or damage to property not the subject matter hereof unless attributable to gross misconduct of Seller, which shall mean an act or omission by Seller demonstrating reckless disregard of the foreseeable consequences thereof.

Seller is not responsible for incorrect choice of models or where products are used in excess of their rated and recommended capacities and design functions or under abnormal conditions. Seller assumes no liability for loss of time, damage or injuries to property or persons resulting from the use of Seller’s products. Buyer shall hold Seller harmless from all liability, claims, suits and expenses in connection with loss or damage resulting from operation of products or utilization of services, respectively, of Seller and shall defend any suit or action which might arise there from in Buyer’s name - provided that Seller shall have the right to elect to defend any such suit or action for the account of Buyer. The foregoing shall be the exclusive remedies of the Buyer and all persons and entities claiming through the Buyer.
CONDUCTIX-WAMPFLER FIELD SERVICE

Need Field Service for our products? We Can Handle It!

Ask us for a quote on expert system installations, inspections, preventative maintenance, and repairs/retrofits. As the world’s largest single source manufacturer of mobile electrification products, Conductix-Wampfler has the unique ability to offer a degree of service not found anywhere else. Conductix-Wampfler’s team of highly qualified service technicians and engineers have years of experience servicing our complete line of products.

We can provide:

- Annual Service contracts
- Installation
- Commissioning
- Installation supervision to ensure your installers avoid common mistakes.
- Troubleshooting to get you up and running.
- Pre-planned inspections to complement your preventive maintenance program.

Call 1-800-521-4888 for further details.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONDUCTIX-WAMPFLER FIELD SERVICE</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>SECTION 1 - SAFETY</strong></td>
<td>5</td>
</tr>
<tr>
<td>Safety Information Responsibility</td>
<td>5</td>
</tr>
<tr>
<td>Product Warranty Information</td>
<td>5</td>
</tr>
<tr>
<td>Safety Messages</td>
<td>5</td>
</tr>
<tr>
<td><strong>SECTION 2 - FEATURES/SPECIFICATIONS</strong></td>
<td>6</td>
</tr>
<tr>
<td>Features</td>
<td>6</td>
</tr>
<tr>
<td>Mechanical Specifications</td>
<td>6</td>
</tr>
<tr>
<td>Electrical Specifications</td>
<td>6</td>
</tr>
<tr>
<td><strong>SECTION 3 - INSTALLATION</strong></td>
<td>7</td>
</tr>
<tr>
<td>Initial Install</td>
<td>7</td>
</tr>
<tr>
<td>Legend Insert Replacement</td>
<td>7</td>
</tr>
<tr>
<td><strong>CONDUCTIX-WAMPFLER FIELD SERVICE</strong></td>
<td>9</td>
</tr>
</tbody>
</table>
Safety Information Responsibility
All owner, operator, and maintenance personnel must read and understand all manuals associated with this product before installation, operation, or maintenance.

The manual provides information on the recommended installation, operation, and maintenance of this product. Failure to read and follow the information provided could cause harm to yourself or others and/or cause product damage. No one should install, operate, or attempt maintenance of this product prior to familiarizing themselves with the information in this manual.

Product Warranty Information
Tampering with the product in any fashion will automatically void the warranty. Additionally, tampering with the product can result in a shock hazard.

Safety Messages
The following safety messages are used in this manual to alert you to specific and important safety related information.

⚠️ CAUTION
CAUTION indicates unsafe actions or situations that have the potential to cause injury, and/or minor equipment or property damage.

⚠️ DANGER
DANGER indicates hazards that have the potential to cause severe personal injury or death.

⚠️ WARNING
WARNING indicates unsafe actions or situations that have the potential to cause severe injury, death, and/or major equipment or property damage.

NOTE
NOTE is used to alert you to installation, operation, programming, or maintenance information that is important, but not hazard related.
SECTION 2 - FEATURES/SPECIFICATIONS

Features

- Available in two- and four-button with single-speed switches.
- The enclosure is a high-visibility orange (or yellow for pistol grip) color and is constructed of high-impact, high strength plastic, for operator safety.
- Pendant is ergonomically designed for single hand operation with low effort push-buttons for reduced operator fatigue.
- The unit is dust-tight, water-tight, and completely insulated to prevent electrical shock.
- An external strain-relief tie point and an internal cable-clamp are provided for added support.
- A multi-stepped flexible cable entry bushing with band clamp prevents entry of foreign matter, and is easily selected to fit cable diameter.
- Various standard push-button legends are available for marking each push-button.
- COB61, COB62, and pistol grip are designed for NEMA4 indoor use only.

Mechanical Specifications

- **RECOMMENDED CABLE**: Type SO or equivalent, copper conductors, 75°C.
- **CABLE DIAMETERS FOR BUSHINGS SUPPLIED**: 8 mm (min) through 16 mm (max).
- **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.
- **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.

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!
**SECTION 3 - INSTALLATION**

**Initial Install**

1. Loosen rear cover screws and remove back cover from pendant.
2. Remove two (2) screws on top of pendant and remove top bushing collar.
3. Slide the external cable-bushing collar up the cable before putting the cable through the bushing.
4. 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.
5. 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.
6. 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.
7. Once wires have been terminated inspect for correct operation of contacts. Depress each push-button 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.
8. Two methods of strain relief are available with the COB60. Choose the one most suitable to your application.
   - External strain relief cable or chain connected to bushing collar via "S" hook.
   - No additional strain relief clamp wire with cable clamp only.
9. Reinstall the rear cover observing torque values above.
10. Check operation of pendant before returning to service. Do not use any piece of equipment that demonstrates irregular operation.

**Legend Insert Replacement**

1. Remove existing legend insert by using a small screwdriver to pry off the plastic button cover.
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.
3. All Conductix-Wampfler 60 Series push-button switches come equipped with an ANSI warning label. Should this label become illegible, contact Conductix-Wampfler for a replacement.
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