

# Push Button Pendants

## 80 | 60 | 20 Series



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**Don't see what you need? Give us a call!**

# Push Button Pendants

**Conductix-Wampfler** has assembled ergonomic, high quality Push Button Pendants since the early 1990's.

We offer dozens of standard Push Button Pendant configurations to suit the unique needs of demanding industrial users. These modular push button units are assembled from stocked components for quick delivery and are competitively priced.

The experienced engineering and sales people at Conductix-Wampfler are experts in the application of Push Button Pendants to all kinds of industrial applications

As an alternative to hard-wired "pendant stations", Conductix-Wampfler also offers radio remote controls. Please refer to catalog CAT1002 or contact the factory for more information.

All Conductix-Wampfler plants in the United States, Germany, France, and Italy are ISO 9001:2000 certified. Our stringent quality systems assure that you will get the right product every time. See Pg. 27 for a summary of our other fine products.

Conductix-Wampfler in the USA, headquartered in Omaha, NE, started as "Industrial Electric Reels" (IER) and later merged with "Insul-8 Corporation", after relocating the Insul-8 plant to Harlan, IA. In 2006 the company, part of the Delachaux Group since 1975, was renamed "Conductix".

In 2007, with the merger of Conductix and Wampfler, the company is now the world leader in the design and manufacture of high performance energy and data transmission products for industrial applications.



## Pre-Wiring Option

All pendants shown in this catalog can be ordered pre-wired. Contact the factory for details!



## 80 Series

Ergonomic; Accommodates from 2 to 12 buttons. Many configurations. High-impact NEMA 4X case with Neoprene-booted buttons. 2 and 3 button Pistol Grip versions available.

UL / cUL Listed 



## 60 Series


Economical 2 or 4 button pendant. A 2-button Pistol Grip version is also available. High-impact NEMA 4 case.

UL / cUL Listed 



## 20 Series

For direct control over small single phase motors at 120 or 240 volts. Durable NEMA 4 housing.

UL / cUL Listed 



# 80 Series Push Button Pendant Features

The Conductix-Wampfler 80 Series Push Button Pendants are available with a wide variety of switch types, options, and accessories for easy customization. You can get from 2 to 12 buttons in a standard configuration or up to 24 buttons in a duplex configuration.

## 80 Series Pendants are ideal for:

- Overhead crane control
- Monorail and hoist control
- Conveyor and elevator control
- Workstations
- Assembly lines
- Other industrial machines

## Enclosure Features:

- High impact, yellow ABS enclosure
- Two-piece design to simplify field wiring
- Rated NEMA 4X (IP65); indoor or outdoor use
- Shock resistant to 100 g.
- Double-insulated to withstand 2500V
- UL/cUL Listed



## General Switch Features:

- One, two, and three-speed operators
- Silicon-booted buttons
- Easy-force buttons with positive detents for speed selections
- Switch contacts rated at 5 A (at 120 VAC)
- 5° F to 160° F (-15° C to 70° C) operating temperature range
- 5A @ 120VAC & 240VAC, 2A @ 24VDC & 12VDC, & .4A @ 120VDC

### Cable Packing Gland

Furnished with bushing available in 16 sizes; assures water tight seal.

### Lamp & Horn Switch

Knock-out holes in .47 inch (12mm) and .75 inch. (19mm) diameters. Available for a lamp and horn switches on 6 through 12 button enclosures.

### Fasteners

Self-captive stainless steel hardware and threaded inserts in housing to prevent thread stripping.

### Buttons

Silicone Rubber booted buttons. Seals out dirt and moisture. Available in red, green, and black.

### Jumpers

Included with all pre-assembled pendants - See Pg. 16.

### Cable Bushings

Available in 10 sizes from 0.30 in. to 1.16 inches (7.5mm to 29.5mm).

### Bushing Collar

Three sizes for cable diameters from 0.30 inches to 1.16 inches (7.5mm to 29.5mm).

### Hanger Ring

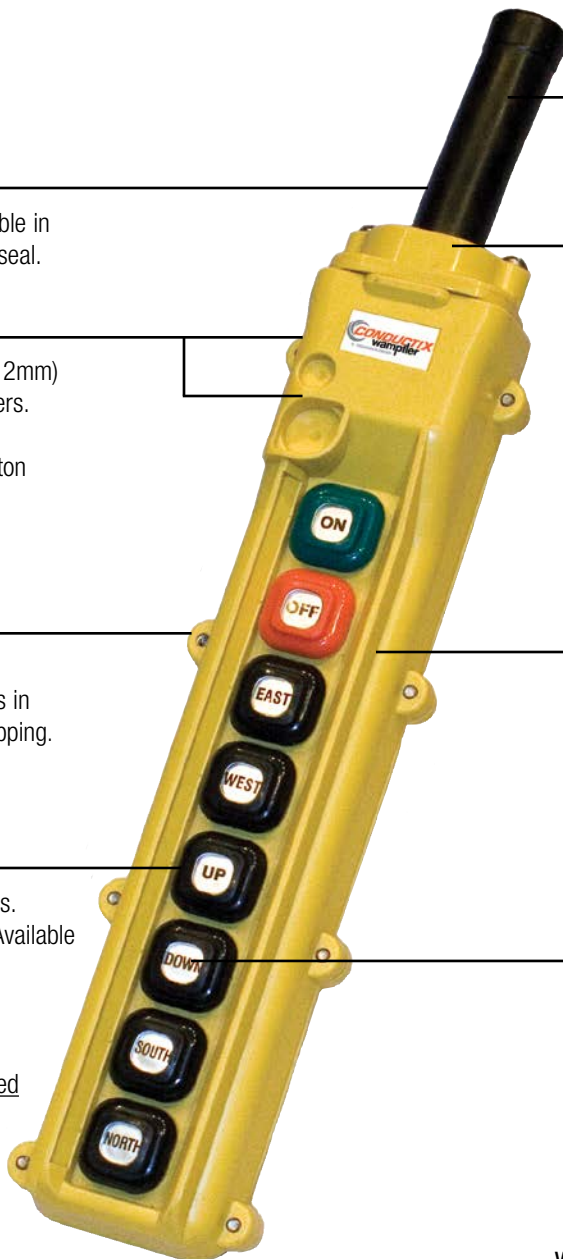
Located on the back of the bushing collar. For external strain relief connection. 'S' hook is available for strain relief cable connection - see Pg. 15.

### Enclosure

Ergonomic design, visible safety yellow, shock and vibration resistant, rugged ABS, 2 through 12 button. Standard Back or Deep Back styles. Two piece enclosure simplifies field wiring.

### Button Legends

Standard button legends are included. Vertical, selector, and mushroom legends are also available.



# 80 Series - Custom Pendant Order Sheet

See Pgs. 6-7 for Pre-Configured Pendants. For "custom" pendants, fax or e-mail the completed sheet to your local sales office to obtain a quotation - see back cover for contact information.

|                     |  |                     |  |
|---------------------|--|---------------------|--|
| <b>Request Date</b> |  | <b>Sales Person</b> |  |
| <b>Company</b>      |  | <b>Name</b>         |  |
|                     |  | <b>Title</b>        |  |
|                     |  | <b>Phone</b>        |  |
|                     |  | <b>Fax</b>          |  |
| <b>Company Type</b> |  | <b>E-mail</b>       |  |

**1** Number of switches (button holes) required (Round up to even #)

↓

2 -----

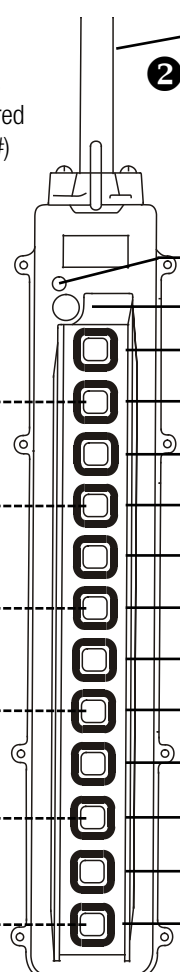
4 -----

6 -----

8 -----

10 -----

12 -----



# of "Commons" Req'd: \_\_\_\_\_

Total no. of conductors required (sum of above) \_\_\_\_\_

**5** Cable O.D. (from Step 4):

Bushing and Cable Gland Part No. (See Pg. 6):

**2** List switch inserts & lamp/horn inserts as needed by Part. No. below. See Pgs. 9-15.

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**3** List number of conductors per switch. See Pgs. 9-15.

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**4** Cable O.D. (based on the number of conductors required) - See Pg. 24:

**7** Button Legend Sheet - see Pg. 16 for available styles and insert Part No.





**8** List desired options - Strain Relief Cable, "S" Hook, Quick Disconnect, etc.) - see Pgs. 15, 16, and 24.

**6** Select the appropriate enclosure based on # of holes required, types of switches, and size of bushing needed.

A "Deep Back" enclosure is required for certain switch types, as noted on Pgs. 9-15, and for pendants that have 16 or more wires to accommodate inside the enclosure.

See page 8 for enclosure details.

Check appropriate box:

|  |   |  |
|--|---|--|
| <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div> | <b>Standard Back</b><br>Cable O.D.<br>7.5 -19.5mm   | <br>A |
| <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div> | <b>Deep Back</b><br>Cable O.D.<br>7.5 -19.5mm       | <br>B |
| <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div> | <b>Standard Back</b><br>Cable O.D.<br>19.3 - 29.5mm | <br>C |
| <div style="border: 1px solid black; width: 50px; height: 20px; display: inline-block;"></div> | <b>Deep Back</b><br>Cable O.D.<br>19.3-29.5mm       | <br>D |

# Complete 80 Series Push Button Pendants

All Pendant Stations are fully assembled and include enclosure, operators, cable bushing, “S” hook and button legend sheet. Contact Conductix-Wampfler or your local representative for custom pendant stations. Jumpers included on assembled pendants only.



| No. of Buttons | Switch Arrangement                                | Complete Unit Part No. | Bushing Part No. |
|----------------|---|------------------------|------------------|
| 2              | Momentary On/Off (Red, Green)                     | 34212                  | 34411            |
| 2              | Maintained On/Off (Red, Green)                    | 34213                  | 34411            |
| 2              | Two 1-Speed                                       | 34214                  | 34411            |
| 2              | Two 2-Speed                                       | 34215                  | 34411            |
| 2              | Two 3-Speed                                       | 34216                  | 34411            |
| 4              | Two 1-Speed, With Momentary On/Off (Red, Green)   | 34217                  | 34412            |
| 4              | Two 1-Speed, With Maintained On/Off (Red, Green)  | 34218                  | 34412            |
| 4              | Two 2-Speed, With Momentary On/Off (Red, Green)   | 34219                  | 34412            |
| 4              | Two 2-Speed, With Maintained On/Off (Red, Green)  | 34220                  | 34412            |
| 4              | Two 3-Speed, With Momentary On/Off (Red, Green)   | 34221                  | 34412            |
| 4              | Two 3-Speed, With Maintained On/Off (Red, Green)  | 34222                  | 34412            |
| 4              | Four 1-Speed                                      | 34223                  | 34412            |
| 4              | Four 2-Speed                                      | 34224                  | 34412            |
| 4              | Four 3-Speed                                      | 34225                  | 34412            |
| 6              | Four 1-Speed, With Momentary On/Off (Red, Green)  | 34226                  | 34413            |
| 6              | Four 1-Speed, With Maintained On/Off (Red, Green) | 34227                  | 34413            |
| 6              | Four 2-Speed, With Momentary On/Off (Red, Green)  | 34228                  | 34413            |
| 6              | Four 2-Speed, With Maintained On/Off (Red, Green) | 34229                  | 34413            |
| 6              | Four 3-Speed, With Momentary On/Off (Red, Green)  | 34230                  | 34413            |
| 6              | Four 3-Speed, With Maintained On/Off (Red, Green) | 34231                  | 34413            |
| 6              | Six One Speed                                     | 34232                  | 34413            |
| 6              | Six Two Speed                                     | 34233                  | 34413            |
| 6              | Six Three Speed                                   | 34234                  | 34413            |
| 8              | Six 1-Speed, With Momentary On/Off (Red, Green)   | 34235                  | 34413            |
| 8              | Six 1-Speed, With Maintained On/Off (Red, Green)  | 34236                  | 34413            |



# Complete 80 Series Push Button Pendants

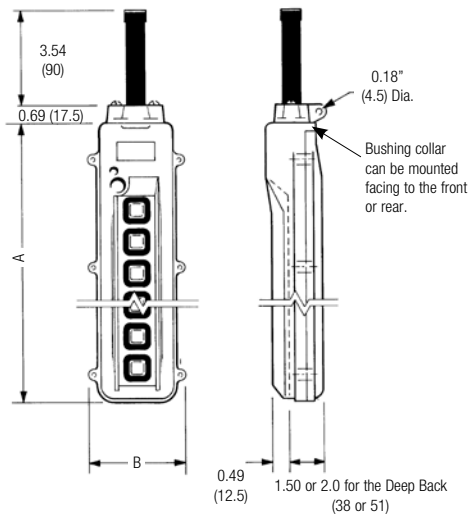
All Pendant Stations are fully assembled and include enclosure, operators, cable bushing, "S" hook and button legend sheet. Contact Conductix-Wampfler or your local representative for custom pendant stations. Jumpers included on assembled pendants only.



| No. of Buttons | Switch Arrangement                                 | Complete Unit Part No. | Bushing Part No. |
|----------------|--|------------------------|------------------|
| 8              | Six 2-Speed, With Momentary On/Off (Red, Green)    | 34237                  | 34413            |
| 8              | Six 2-Speed, With Maintained On/Off (Red, Green)   | 34238                  | 34413            |
| 8              | Six 3-Speed, With Momentary On/Off (Red, Green)    | 34239                  | 34413            |
| 8              | Six 3-Speed, With Maintained On/Off (Red, Green)   | 34240                  | 34413            |
| 8              | Eight 1-Speed                                      | 34241                  | 34413            |
| 8              | Eight 2-Speed                                      | 34242                  | 34413            |
| 8              | Eight 3-Speed                                      | 34243                  | 34413            |
| 10             | Eight 1-Speed, With Momentary On/Off (Red, Green)  | 34244                  | 39826            |
| 10             | Eight 1-Speed, With Maintained On/Off (Red, Green) | 34245                  | 39826            |
| 10             | Eight 2-Speed, With Momentary On/Off (Red, Green)  | 34246                  | 39826            |
| 10             | Eight 2-Speed, With Maintained On/Off (Red, Green) | 34247                  | 39826            |
| 10             | Eight 3-Speed, With Momentary On/Off (Red, Green)  | 34248                  | 39826            |
| 10             | Eight 3-Speed, With Maintained On/Off (Red, Green) | 34249                  | 39826            |
| 10             | Ten 1-Speed  | 34250                  | 39826            |
| 10             | Ten 2-Speed  | 34251                  | 39826            |
| 10             | Ten 3-Speed  | 34252                  | 39826            |
| 12             | Ten 1-Speed, With Momentary On/Off                 | 34253                  | 39826            |
| 12             | Ten 1-Speed, With Maintained On/Off                | 34254                  | 39826            |
| 12             | Ten 2-Speed, With Momentary On/Off                 | 34255                  | 39826            |
| 12             | Ten 2-Speed, With Maintained On/Off                | 34256                  | 39826            |
| 12             | Ten 3-Speed, With Momentary On/Off                 | 34257                  | 39826            |
| 12             | Ten 3-Speed, With Maintained On/Off                | 34258                  | 39826            |
| 12             | Twelve 1-Speed                                     | 34259                  | 39826            |
| 12             | Twelve 2-Speed                                     | 34260                  | 39826            |
| 12             | Twelve 3-Speed                                     | 34261                  | 39826            |

# 80 Series Pendant Enclosures and Bushings

## Single Enclosures



| No. of Holes | "A" Dim.        | "B" Dim.  |
|--------------|-----------------|-----------|
| 2            | 4.49 (114)      | 3.07 (78) |
| 4            | 7.09 (180)      | 3.07 (78) |
| 6            | 10.31 (262)     | 3.23 (82) |
| 8            | 12.68 (322)     | 3.23 (82) |
| 10           | 15.24 (387)     | 3.43 (87) |
| 12           | 17.60 (447)     | 3.43 (87) |
| 12-24        | Consult Factory |           |

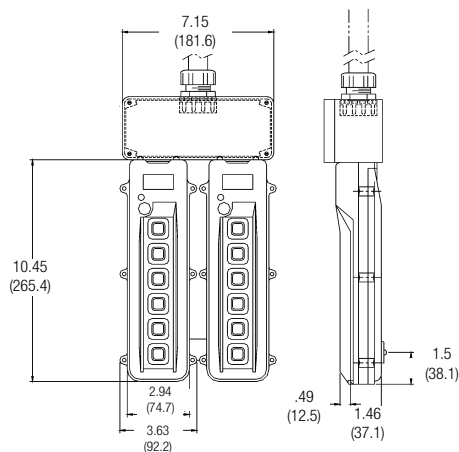
### COMPLETE ENCLOSURE (FRONT AND BACK)

(For different size bushings order from below)

| # of Button Holes | Enclosure Depth | Inlet Size | Cable Diameter Range Inches (mm) | Part No. | Inlet Diagram |
|-------------------|-----------------|------------|----------------------------------|----------|---------------|
| 2                 | Standard        | Small      | .31 - .83 (8 - 21)               | 34274    |               |
| 4                 | Standard        | Small      | .31 - .83 (8 - 21)               | 34275    |               |
| 6                 | Standard        | Small      | .31 - .83 (8 - 21)               | 34276    |               |
| 8                 | Standard        | Small      | .31 - .83 (8 - 21)               | 34280    |               |
| 6                 | Standard        | Large      | .87 - 1.10 (22 - 28)             | 34278    |               |
| 8                 | Standard        | Large      | .87 - 1.10 (22 - 28)             | 34282    |               |
| 10                | Standard        | Large      | .87 - 1.10 (22 - 28)             | 34286    |               |
| 12                | Standard        | Large      | .87 - 1.10 (22 - 28)             | 34290    |               |
| 6                 | Deep Back       | Small      | .31 - .83 (8 - 21)               | 34277    |               |
| 8                 | Deep Back       | Small      | .31 - .83 (8 - 21)               | 34281    |               |
| 6                 | Deep Back       | Large      | .87 - 1.10 (22 - 28)             | 34279    |               |
| 8                 | Deep Back       | Large      | .87 - 1.10 (22 - 28)             | 34283    |               |
| 10                | Deep Back       | Large      | .87 - 1.10 (22 - 28)             | 34287    |               |
| 12                | Deep Back       | Large      | .87 - 1.10 (22 - 28)             | 34291    |               |

## Duplexed Enclosures

For details on pendants up to 24 buttons, contact the factory.



## Enclosure Bushings

Correctly sized bushings are necessary to prevent moisture from getting inside of the enclosure. Order based on cable O.D. and the part number of the enclosure the bushing is to be used on.

For Enclosures 34274, 34275, 34276, 34280, 34277, & 34281:

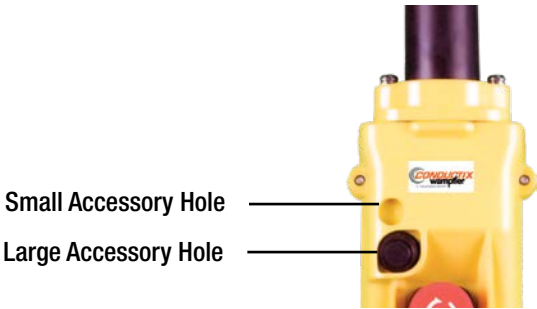
| Cable Size Range inches (mm) | Cable Bushing Part No. |
|------------------------------|------------------------|
| .30 - .41 (7.5 - 10.5)       | 34411                  |
| .41 - .53 (10.3 - 13.5)      | 34412                  |
| .52 - .65 (13.3 - 16.5)      | 34413                  |
| .64 - .77 (16.3 - 19.5)      | 34414                  |

For Enclosures 34278, 34282, 34286, 34290, 34279, 34283, 34287, & 34291:

|                           |       |
|---------------------------|-------|
| .52 - .65 (13.3 - 16.5)   | 39825 |
| .64 - .77 (16.3 - 19.5)   | 39826 |
| .76 - .89 (19.3 - 22.5)   | 34415 |
| .88 - 1.00 (22.3 - 25.5)  | 34416 |
| 1.00 - 1.12 (25.3 - 28.5) | 34417 |



# Pilot Lights & Horn Switches



## Pilot Light - Small



Red, 12 mm diameter, for use with 6, 8, 10 and 12 button enclosures. Fits into small accessory hole in enclosure, not button space.

| Part No. | Voltage | No. of Wires* |
|----------|---------|---------------|
| 36087    | 12 VDC  | 1             |

## Pilot Light - Large



Red neon light, 22 mm diameter, for use with 6, 8, 10 and 12 button enclosures. Fits into large accessory hole in enclosure, not button space. [Note: These can be installed at the “small hole” location, but in that location, must be factory installed.]

| Part No. | Voltage    | No. of Wires* |
|----------|------------|---------------|
| 36088    | 12 / DC    | 1             |
| 36081    | 24 DC / AC | 1             |
| 34316    | 110 / AC   | 1             |

## Momentary Push Button Horn Switch



22mm diameter, for use with 6, 8, 10 and 12 button enclosures. Fits into large hole in enclosure, not button space.

| Part No. | Resistive Load (Volts) | Amperage | No. of Wires* |
|----------|------------------------|----------|---------------|
| 34312    | 125 / AC               | 6        | 1             |
|          | 250 / AC               | 3        | 1             |

## Pilot Light



22 mm diameter; takes up one button space.

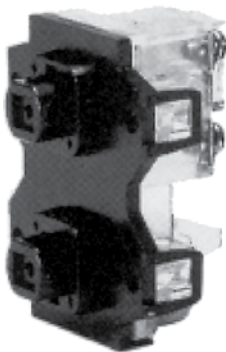
| Part No. | Voltage      | No. of Wires* | Colors Available |
|----------|--------------|---------------|------------------|
| 35181**  | 12 / DC      | 2             | R, A, G          |
| 36042**  | 24 VAC / VDC | 2             | R, G, B          |
| 34303**  | 110 / AC     | 2             | R, A, G          |
| 36882    | 110 / AC     | 2             | B                |

\*\* Insert Light Color: R=Red, G=Green, A=Amber, B=Blue  
Example: 35181G = 12V DC Green light.

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.

# 80 Series Pendant Switches

## Maintained On/Off



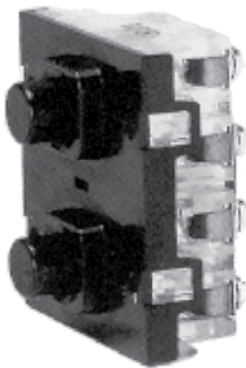
| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34292    | 1             |                       |
| 34293    | 1             |                       |

## Momentary Non-Interlocking



| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34308    | 2             |                       |
| 34309    | 2             |                       |
| 34310    | 2             |                       |

## Dual Pole Momentary with Mechanical Interlock

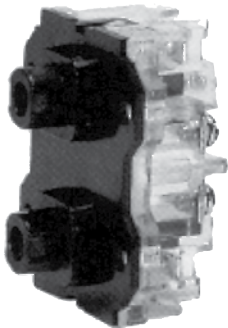


| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34321    | 4             |                       |
| 34322    | 4             |                       |

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.

# 80 Series Pendant Switches

## Momentary 1-Speed with Mechanical Interlock



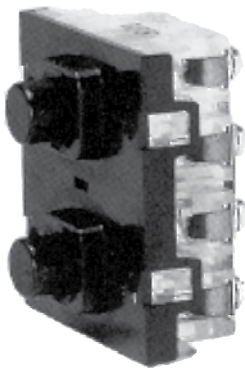
| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34294    | 2             |                       |
| 34295    | 2             |                       |

## Momentary Single Button



| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34305    | 1             |                       |
| 34306    | 1             |                       |
| 34307    | 2             |                       |
| 37114    | 2             |                       |
| 37199    | 2             |                       |

## Momentary 2-Speed with Mechanical Interlock

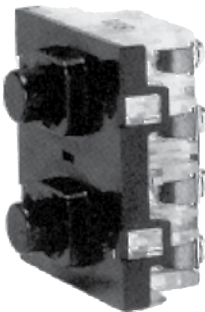


| Part No. | No. of Wires* | Contact Configuration   |
|----------|---------------|---|
| 34296    | 3             |   |
| 34297    | 3             |   |
| 34298    | 3             | Same as 34297, but with delayed opening of contacts 7 & 8 "Break Before Make" contact arrangement |

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.

# 80 Series Pendant Switches

## Momentary 3-speed with Mechanical and Electrical Interlock



## Maintained Multi-Position Selector Switch 2 position and 3 position

Other configurations available - contact factory.



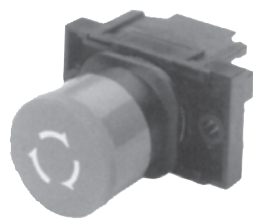
| Part No. | No. of Wires * | Contact Configuration |
|----------|----------------|-----------------------|
| 34323    | 4              |                       |

| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 37107    | 1             |                       |
| 37108    | 1             |                       |
| 34317    | 2             |                       |
| 34318    | 2             |                       |
| 34319    | 2             |                       |
| 34320    | 2             |                       |
| 37109    | 2             |                       |
| 37110    | 2             |                       |

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.

# 80 Series Pendant Switches

## Push Lock Twist-Release Mushroom Switch



| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34313    | 1             |                       |
| 37122    | 1             |                       |
| 37123    | 2             |                       |
| 37124    | 2             |                       |
| 37125    | 2             |                       |

## Alternating Push Button Switch



| Part No. | No. of Wires* | Contact Configuration |
|----------|---------------|-----------------------|
| 34299    | 1             |                       |
| 34300    | 1             |                       |
| 37126    | 2             |                       |

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.

# 80 Series Pendant Switches

## Toggle switch



Note: Deep back enclosure required.

| Part Number | No. of Wires* | Contact Configuration |
|-------------|---------------|-----------------------|
| 34301       | 1             |                       |
| 34302       | 2             |                       |
| 37127       | 2             |                       |

## Variable Position Resistor



| Max. Resistance (ohms) | Part No. | No. of Wires* | Contact Configuration |
|------------------------|----------|---------------|-----------------------|
| 1,000                  | 34314B   | 2             |                       |
| 2,000                  | 34314D   | 2             |                       |
| 5,000                  | 34314    | 2             |                       |
| 10,000                 | 34314C   | 2             |                       |

## Blank plate



| Part No. |
|----------|
| 34304    |

\* Typical wiring - for general information only. Number of wires will vary depending on the wiring method used.



# 80 Series Accessories, Spare Parts, and Jumpers

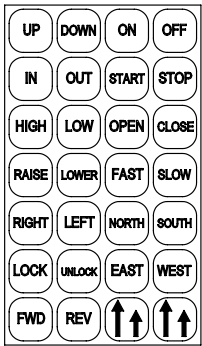


| Item                   | Description   | Part No.     |
|------------------------|---|--------------|
| Strain Relief Clamp    | For Enclosures 34274 and 34275  | <b>34626</b> |
| Strain Relief Clamp    | For Enclosures 34276 through 34291  | <b>34627</b> |
| "S" Hook Hanger        | For Pendant Cables with Strain Relief Cable   | <b>34332</b> |
| Bushing Collar, Small  | For Pistol Grip and all 2 and 4 button pendants<br>Cable O.D. - .30 - .77" (7.5 - 19.5 mm)            | <b>34333</b> |
| Bushing Collar, Medium | For 6 and 8 Button Enclosures, with "Standard" inlet.<br>Cable O.D.: 0.30" - 0.77" (7.5 - 19.5mm)     | <b>50920</b> |
| Bushing Collar, Large  | For 6, 8, 10, and 12 Button Enclosures with "Large" inlet.<br>Cable O.D.: 0.76 - 1.16 (19.3 - 29.5mm) | <b>34334</b> |
| Switch Boot            | Red   | <b>34328</b> |
| Switch Boot            | Black   | <b>34329</b> |
| Switch Boot            | Green   | <b>34330</b> |
| Switch Boot Cover      | Clear   | <b>34331</b> |
| Deep Back Cover**      | 2 Button Enclosure  | <b>34864</b> |
| Deep Back Cover**      | 4 Button Enclosure  | <b>34866</b> |
| Deep Back Cover**      | 6 Button Enclosure  | <b>36029</b> |
| Deep Back Cover**      | 8 Button Enclosure  | <b>36030</b> |
| Deep Back Cover**      | 10 Button Enclosure   | <b>36032</b> |
| Deep Back Cover**      | 12 Button Enclosure   | <b>36033</b> |

\*\* Includes the back over piece only

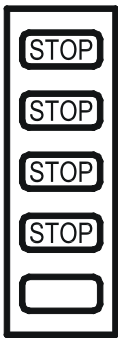
| Jumpers<br>(Used On One Switch)                                  | Jumpers<br>(Used From Switch to Switch)   | Part No.     | Jumper<br>Label |
|--|---|--------------|-----------------|
| On switch 34294 and 34295 to connect terminals 1 and 5.          | To connect common between standard back selector, keyed, and mushroom switches.   | <b>34759</b> | J80-01          |
|  | To connect between 1-speed, 2-speed, 3-speed, and ON/OFF switches.  | <b>34760</b> | J80-02          |
| On all 2-speed switches to connect terminal 6 to 4 and 14 to 16. | For connecting common between 2-speed switches by connecting terminal 16 of one switch to terminal 6 of adjacent switch.                    | <b>34761</b> | J80-03          |
|  | On all 3-speed switches to connect terminal 18 of two adjacent 3-speed switches and to connect terminal 8 of two adjacent 3-speed switches. | <b>35538</b> | J80-04          |
|  | To connect common of a maintained ON/OFF switch to adjacent 1-speed, 2-speed, or 3-speed switch.  | <b>35000</b> | J80-06          |
| On 2-speed switches to connect terminal 5 to 15.                 |   | <b>34992</b> | J80-12          |

# 80 Series Legend Sheets

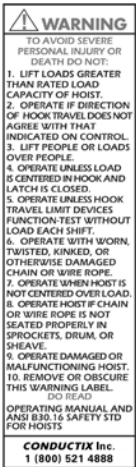


Button Legend - 34326

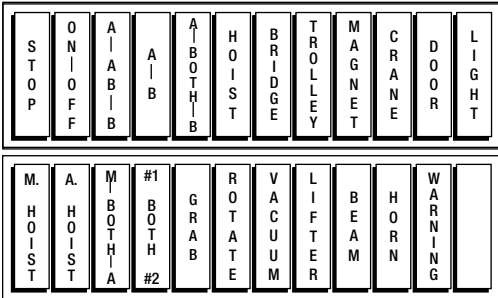
| Legend/Sticker           | Usage  | Part No. |
|--------------------------|--|----------|
| Button Legend            | For push button marking. One sheet is automatically included with each pre-assembled pendant | 34326    |
| Mushroom Switch Legend   | For mushroom switches  | 35299    |
| Warning Sticker          | n/a  | 35373    |
| Vertical Legend          | For case marking (Contact factory for legends sheets not listed.)                            | 34327    |
| Selector Switch Sheet #1 | For case marking of selector switches  | 35300    |
| Selector Switch Sheet #2 | For case marking of selector switches  | 37228    |



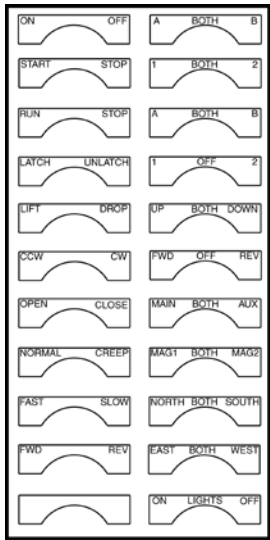
Mushroom Switch Legend - 35299



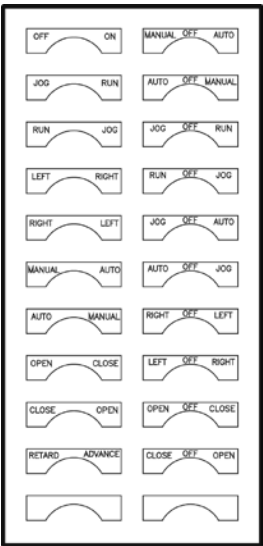
Warning Sticker - 35373



Vertical Legend - 34327



Selector Switch Legend #1 - 35300



Selector Switch Legend #2 - 37228

# 80 Series Pistol Grip

## 80 Series Pistol Grip



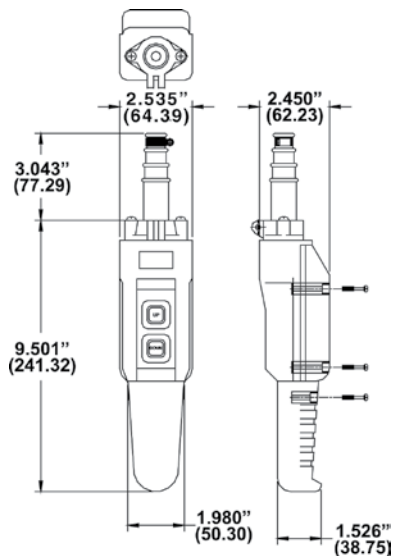
The Conductix-Wampfler 80 Series Pistol Grip Pendants feature a compact, ergonomic design with the operator's comfort in mind. They are available with 1, 2, or 3 speed buttons. It is equipped to accommodate either internal or external strain relief cable.

UL/cUL Listed 

### Features:

- High impact, yellow ABS enclosure
- Multi-diameter cable bushing inlet
- Rated NEMA 4 (IP65); indoor or outdoor use

| Speed | Part No. |
|-------|----------|
| 1     | COB81PB  |
| 2     | COB81P   |
| 3     | COB81PC  |



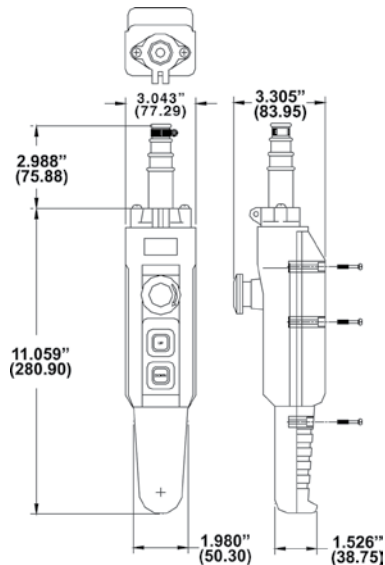
## 80 Series Pistol Grip, with 3 Button Holes



Same as the COB81, except that the top hole in the COB81.5P unit has an emergency stop button.

| Speed | Part No.  |
|-------|-----------|
| 1     | COB81.5PB |
| 2     | COB81.5P  |
| 3     | COB81.5PC |

Note: E-Stop contact is 1NO & 1NC



# 60 Series Pendant Features:

Conductix-Wampfler's 60 Series Pendant is designed for one hand, ergonomic operation in an economical package. The pendant is available in 2 or 4 button configurations with single-speed, silver-contact switches. All 60 Series pendants come pre-assembled.

UL/cUL Listed; File # 193531

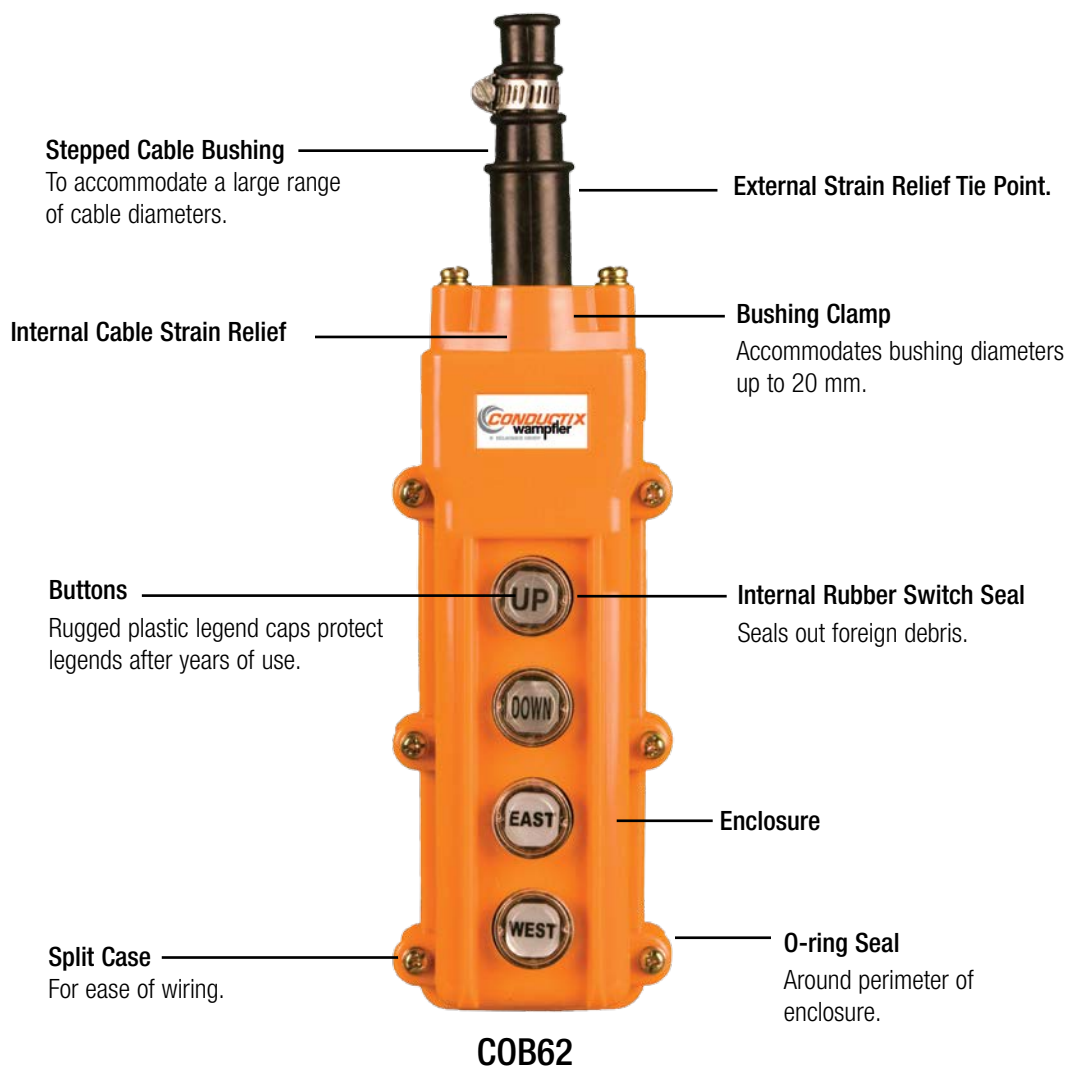


## 60 Series Pendants are ideal for:

- Overhead crane control
- Workstations
- Monorail and hoist control
- Conveyor & Elevator Control

## Features

- Compact, high visibility orange enclosure
- NEMA 4 enclosure rating
- Ultra-long service life
- Contacts rated 5A at 250VAC
- 5°F to 160°F (-15°C to 70°C) operation
- 100g shock resistant



# 60 Series - Complete Pendants

## Complete Pendants


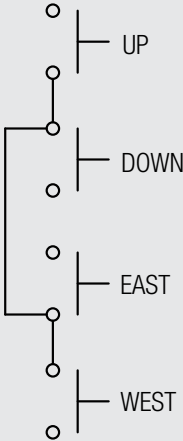
All switch terminals have 4mm screws. All pendants have standard cable bushing internal diameter (mm). CBVS (dia. 8-16 stepped)

**Switch Ratings:**

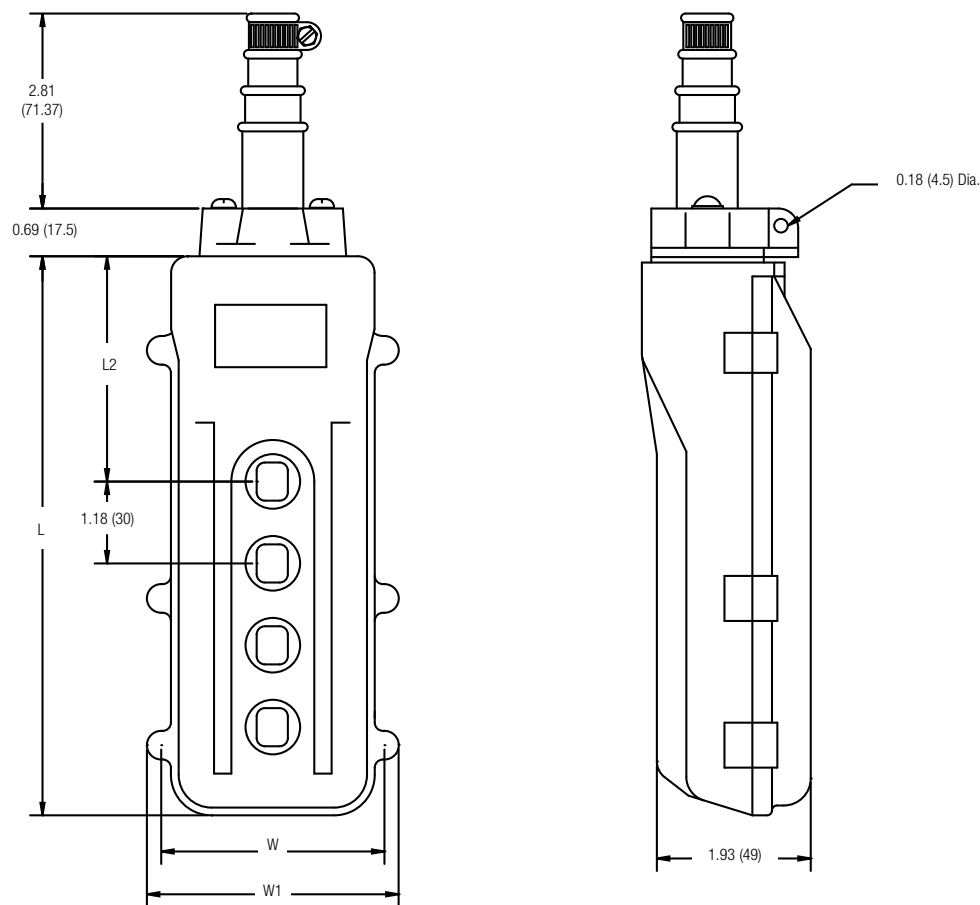
- 5A (24 VAC, 120 VAC, 250VAC. 500 VAC
- 2 A (24 VDC)
- 0.4 A (120 VDC)



COB61

| Number of Buttons | A                | Part No. | Standard Cable Bushing    | Switch Configurations   |
|-------------------|------------------|----------|---------------------------|---|
| 2 (1 pair)        | All single speed | COB61    | CBVS (8 to 16 mm stepped) |  |
| 4 (2 pair)        | All single speed | COB62    | CBVS (8 to 16 mm stepped) |  |

# 60 Series Dimensions



COB62 shown

Dimensions in inches (mm)

| Dimension | Model COB61    | Model COB62     |
|-----------|----------------|-----------------|
| L         | 4.45<br>(113)  | 7.25<br>(184.2) |
| L2        | 2.13<br>(54.1) | 2.63<br>(66.8)  |
| W         | 2.31<br>(58.7) | 2.42<br>(61.5)  |
| W1        | 2.77<br>(70.4) | 3.05<br>(77.5)  |



# 60 Series Bushings, and Legend

## Cable Bushings

Standard “CBVS” bushing is provided unless otherwise specified at time of order entry.

| Type     | Applicable cable diameter<br>in. (mm) | Part No. |
|----------|---------------------------------------|----------|
| Stepped  | .31 - .62 (8 to 16)                   | CBVS     |
| One size | .68 - .72 (17.2-18.3)                 | C18      |

## Legend Sheet

|       |       |         |
|-------|-------|---------|
| UP    | DOWN  | TROLLEY |
|       |       | HOIST   |
| ON    | OFF   | MAGNET  |
|       |       | BRIDGE  |
| IN    | OUT   | DOOR    |
|       |       | CRANE   |
| HIGH  | LOW   | NO 1    |
|       |       | NO 2    |
| RAISE | LOWER | NO 3    |
|       |       | NORTH   |
| START | STOP  | SOUTH   |
|       |       | EAST    |
| OPEN  | CLOSE | WEST    |
|       |       |         |
| FAST  | SLOW  | NORTH   |
|       |       | SOUTH   |
| RIGHT | LEFT  | EAST    |
|       |       | WEST    |
| FWD   | REV   | FWD     |
|       |       | REV     |

| Part No. | Description  |
|----------|--------------|
| 304COBLS | Legend Sheet |

| Part No. | Description         |
|----------|---------------------|
| 304COBCV | Clear button covers |

# 60 Series Pistol Grip Pendant



Comfortable, ergonomic design weighing only 10 oz and measuring only 2” wide. The Series 60 Pistol Grip has “easy-force”, single speed switches with a 5A / 125 V contact block; standard “up/down” labeling. Other labels are available. Switches have been tested to withstand over one million operations.

UL / cUL listed; File E193531



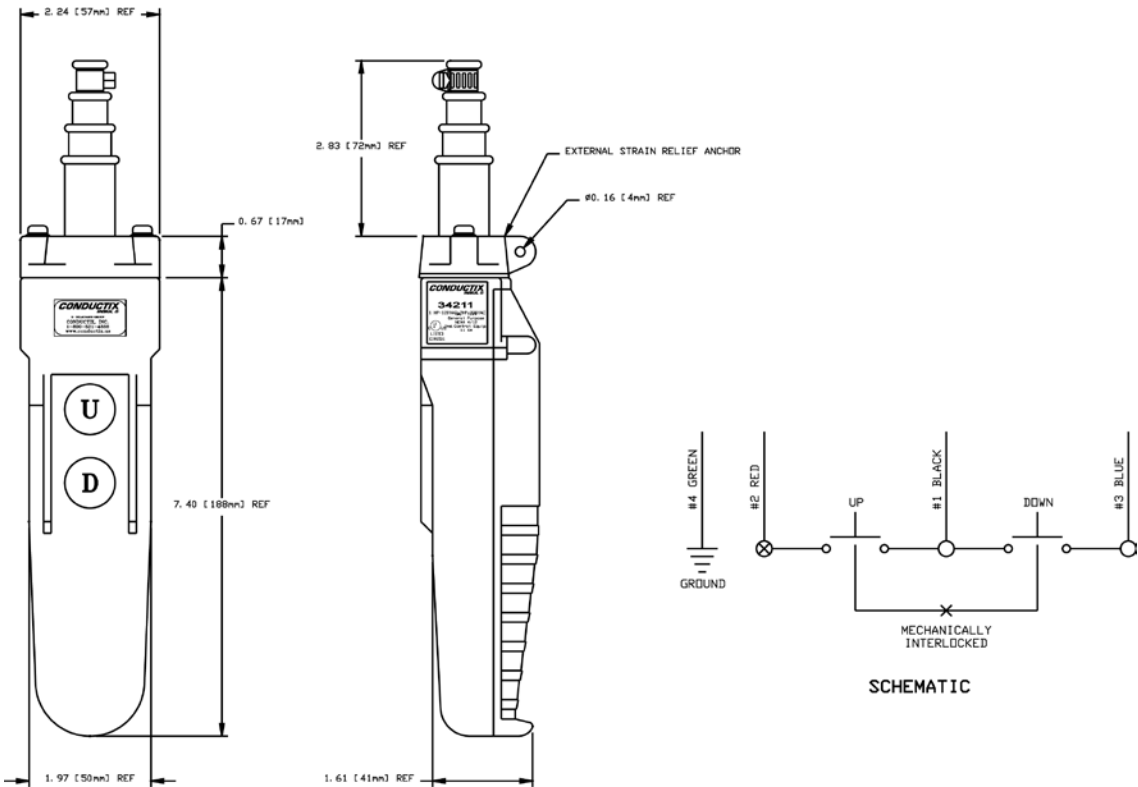
## Features:

- High-impact yellow ABS enclosure
- Waterproof NEMA 4 rating; indoor use only
- Internal and external strain relief
- Variable dia cable bushing inlet with clamp
- Ambient Temperature: 5°F to 160°F ( -15°C to +50°C)
- Vibration Resistance: 10g from 10-55 Hz

| Part No. | Max Amps | Max. Volts AC |
|----------|----------|---------------|
| 34211    | 5        | 125           |

| Part No. | Description         |
|----------|---------------------|
| 304C0BCV | Clear button covers |


## Series 60 Pistol Grip Dimensions



# 20 Series Pendant



Slim compact design suited for one-hand operation. Insulated for operator safety. Designed for direct control of single phase electric motors up to 1 HP @ 120 VAC or 2 HP @ 230VAC. Since motor current is controlled directly by the pendant switch, extra reversing contactors or costly controls are not required.

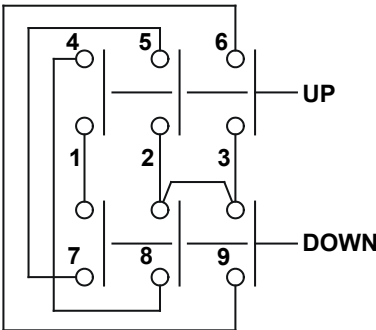
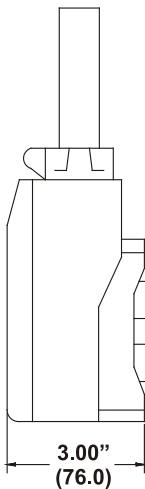
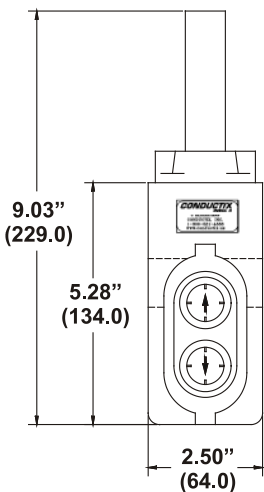
UL/cUL Listed File E193531 

## Features:

- Durable orange ABS pendant switch housing
- NEMA 4 water-proof enclosure
- Split case design for easy installation and wiring
- Flexible cable boot selection to match size of cable prevents entry of debris
- Two button switch with a wide range of legend markings
- Direct control ratings for 1HP max. @120 VAC (2HP @220 VAC)
- Electrical rating 25A resistive, 120 VAC (intermittent duty)

| Part No. | HP Rating<br>120 VAC | HP Rating<br>220 VAC |
|----------|----------------------|----------------------|
| 35244    | 1                    | 2                    |

| Part No. | Description         |
|----------|---------------------|
| 304C0BCV | Clear button covers |



## Bushings

Standard “CBVS” bushing is provided unless otherwise specified at time of order entry.

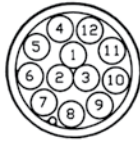
| Type     | Applicable cable diameter<br>in. (mm) | Part No. |
|----------|---------------------------------------|----------|
| Stepped  | .31 - .62 (8 to 16)                   | CBVS     |
| One size | .68 - .72 (17.2-18.3)                 | C18      |

# Pendant Cable, Strain Relief, and Quick Disconnect

## Pendant Cable



**CABLE 3/16 DIA NYL ST  
(1/8 DIA W/O NYL).**



Conductix-Wampfler Pendant Cable has a yellow jacket and is resistant to sunlight, oil, and water.

### Temperature Rating:

- Without External Strain Relief: -10°C to 90°C (14°F to 194°F)
- With External Strain Relief: -10°C to 105°C (14°F to 221°F)



UL & CSA approved

### Standard Pendant Cable Without Strain Relief

| Size AWG | No. of Conductors | Part No. | Diameter Nominal | Wt lb/ft (kg/m) |
|----------|-------------------|----------|------------------|-----------------|
| 16       | 8                 | 83092    | 0.465" (11.81)   | 0.145 (0.02005) |
| 16       | 12                | 83093    | 0.550" (13.97)   | 0.200 (0.02765) |
| 16       | 16                | 83094    | 0.605 (15.37)    | 0.255 (0.03526) |
| 16       | 24                | 83095    | 0.745" (18.92)   | 0.375 (0.05185) |
| 16       | 30                | 83096    | 0.785 (19.94)    | 0.455 (0.06291) |
| 16       | 36                | 83097    | 0.885 (22.48)    | 0.540 (0.07466) |

### Standard Pendant Cable with Attached Strain Relief

| Size AWG | No. of Conductors | Part No. | Diameter Nominal | Wt lb/ft (kg/m) |
|----------|-------------------|----------|------------------|-----------------|
| 16       | 8                 | 35398    | 0.515" (13.08)   | .210            |
| 16       | 12                | 35399    | 0.575" (14.61)   | .260            |
| 16       | 16                | 35400    | 0.630" (16.00)   | .330            |
| 16       | 24                | 35401    | 0.760" (19.30)   | .430            |

### Round Pendant Cable with Internal Strain Relief

| Size AWG | No. of Conductors | Part No. | Diameter Nominal | Wt lb/ft (kg/m) |
|----------|-------------------|----------|------------------|-----------------|
| 16       | 3                 | 34155    | 0.54" (13.72)    | 0.115           |
| 16       | 5                 | 34155C   | 0.54" (13.72)    | 0.115           |
| 16       | 7                 | 34635    | 0.62" (15.75)    | 0.230           |

## Separate Strain Relief Cable and Hardware

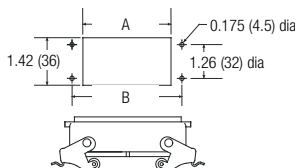
| Item                         | Description   | Part No. |
|------------------------------|---|----------|
| Separate Strain Relief Cable | 3/16" Dia. Nylon Steel Cable (1/8" dia. w/o nylon) - 480 lbs. (217.72 kg) cap. Ordered in feet. | 83098    |
| Hardware Kit                 | Includes (2) Thimbles, (4) U-Clamps, and (1) Eye Bolt   | 83099    |
| Hardware Kit                 | Used with cable 35398 thru 35401  | 36711    |
| Hardware Kit                 | used with Quick Disconnect Trolley  | 39613    |

## Quick Disconnect Plugs

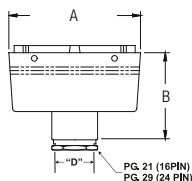
Changing out a pendant has never been easier with these Quick Disconnect plug sets. Many other styles of connectors are available; please contact the factory.



Female Mount Base



Male End



| Description                              | Part No. | "A" Dim    | "B" Dim    |
|--|----------|------------|------------|
| Bulkhead Mount Base 16 Pin Female Insert | 37766    | 4.06 (106) | 3.39 (86)  |
| Bulkhead Mount Base 24 Pin Female Insert | 37767    | 4.41 (112) | 5.12 (130) |

| Description                       | Part No. | "A" Dim      | "B" Dim     | "D" O.D.              |
|-----------------------------------|----------|--------------|-------------|-----------------------|
| Top Entry Hood 16 Pin Male Insert | 41030    | 3.68 (93.5)  | 2.28 (57.9) | 0.39-0.75 (9.9-19.0)  |
| Top Entry Hood 24 Pin Male Insert | 41032    | 4.72 (119.9) | 3.58 (90.9) | 0.70-1.06 (17.8-26.9) |

Visit [www.conductix.us](http://www.conductix.us) for the most current information.

# Terms, Conditions, and Warranty

The technical data and images which appear in this catalog are for informational purposes only. NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE CREATED BY THE DESCRIPTIONS AND DEPICTIONS OF THE PRODUCTS SHOWN IN THIS CATALOG. Conductix-Wampfler (“seller”) makes no warranty and assumes no liability as to the function of equipment or the operation of systems built according to customer design or of the ability of any of its products to interface, operate or function with any portions of customer systems not provided by Conductix-Wampfler.

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, the 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 of the goods which have been used by Buyer 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 shall not be 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 did 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 Buyer. Seller’s obligation to replace or refund the purchase price for non-conforming goods shall arise once Buyer returns such good FOB point of original shipment by Seller at the risk and cost of Buyer. Goods replaced by Seller shall be come property of Seller.

There is no guarantee or warranty as to anything made or sold by Seller, or any service performed, except as to title and freedom from encumbrances, and except as herein expressly stated and particularly 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 (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 to personal injury or damage to property on the subject matter hereof unless attributable to gross misconduct of Seller, which shall mean an act of 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 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 entitles claiming through the Buyer.



# Radio Remote Controls

**Conductix-Wampfler USA** has marketed ergonomic, economical, high quality, Radio Remote Controls since the early 1990's.

We offer a number of models to suit the unique needs of demanding industrial users. These units shipped from stock for quick delivery and are competitively priced.

The experienced engineering and sales people at Conductix-Wampfler are experts in the application of radio remote controls to all kinds of industrial applications

For more information, please contact Conductix-Wampfler.

All Conductix-Wampfler plants in the United States, Germany, France, and Italy are ISO 9001:2000 certified. Our stringent quality systems assure that you will get the right product every time. See Pg. 27 for a sampling of our other quality products.

Conductix-Wampfler USA, headquartered in Omaha, NE, started as "Industrial Electric Reels" (IER) and later merged with "Insul-8 Corporation", after relocating the Insul-8 plant to Harlan, IA. In 2006, the company, part of the Delachaux Group since 1975, was renamed "Conductix".

In 2007, with the merger of Conductix and Wampfler, the company is now the world leader in the design and manufacture of high performance energy and data transmission products for industrial applications.



## Protean™ Series

Economical Protean™ Radio Remote Control transmitters are available in 4, 6, & 8 button single-speed configuration. 330 foot (100 meter) range. FCC 310-320 Mhz AC and DC models.



## Protean™ HT and L8 Transmitters

2-motion, 2-speed HT and 3-motion 1-speed L8 models have positive detent positions, e-stop switch, and removable magnetic key. 330 foot (100 meter) range. FCC 310-320 Mhz AC and DC models.



## L10 and L12 Series

The L10 Series is a 2-speed transmitter with 8 buttons for control of 3-4 motions. The L12 is also 2-speed, but has 12 buttons for control of up to 5 motions. FCC 310-320 Mhz AC models only.



## L40 Series

A "belly box" style unit with 5-speeds, dual joystick. Up to 8 motions using A/B switches. FCC 310-320 Mhz AC models only.



## K1 and K2 Series

The rugged K1/K2 radios have eight 1-speed or 2-speed buttons for control over 3-4 motions. 330 foot (100 meter) range; FCC 433-435 MHz. AC or DC models.



## K3 and K4 Series

The K3/K4 has twelve 1-speed or 2-speed transmitter buttons for control over up to 5 motions. FCC 433-435 MHz. AC or DC models.



# Your Applications - our Solutions

Compressed air and electric supply systems from Conductix-Wampfler represent only one of the many solutions made possible by the broad spectrum of Conductix-Wampfler components for the transport of energy, data and fluid media. The solutions we deliver for your applications are based on your specific requirements. In many cases, a combination of several different Conductix-Wampfler systems can prove advantageous. You can count on all of Conductix-Wampfler's Business Units for hands-on engineering support - coupled with the perfect solution to meet your energy management and control needs.



## Cable reels

Motorized reels and spring reels by Conductix-Wampfler hold their own wherever energy, data and media have to cover the most diverse distances within a short amount of time - in all directions, fast and safe.



## Festoon systems

It's hard to imagine Conductix-Wampfler cable trolleys not being used in virtually every industrial application. They're reliable and robust and available in an enormous variety of dimensions and designs.



## Conductor rails

Whether they're enclosed conductor rails or expandable single-pole systems, the proven conductor rails by Conductix-Wampfler reliably move people and material.



## Non-insulated conductor rails

Extremely robust, non-insulated conductor rails with copper heads or stainless steel surfaces provide the ideal basis for rough applications, for example in steel mills or shipyards.



## Energy guiding chains

The "Jack of all trades" when it comes to transferring energy, data, air and fluid hoses. With their wide range, these energy guiding chains are the ideal solution for many industrial applications.



## Slip ring assemblies

Whenever things are really "moving in circles", the proven slip ring assemblies by Conductix-Wampfler ensure the flawless transfer of energy and data. Here, everything revolves around flexibility and reliability!



## Inductive Power Transfer IPT®

The no-contact system for transferring energy and data. For all tasks that depend on high speeds and absolute resistance to wear.



## Reels, retractors and balancers

Whether for hoses or cables, as classical reels or high-precision positioning aids for tools, our range of reels and spring balancers take the load off your shoulders.



## Jib boom

Complete with tool transporters, reels, or an entire media supply system - here, safety and flexibility are key to the completion of difficult tasks.



## Conveyor systems

Whether manual, semiautomatic or with Power & Free - flexibility is achieved with full customization concerning layout and location.

# www.conductix.us

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