## BENSHAW

Applied Motor Controls

## Product Catalog

JANUARY 2024 EDITION

## Pilot Devices

## BENSHAW | Pilot Devices

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## Introduction

# Benshaw stocks a wide selection of pilot devices, including push buttons, selector switches, toggle and rocker switches, indicator lights and more. 

## Push Buttons

Benshaw's line of 30 mm push buttons are durable, flexible and well-suited to a variety of applications. We stock both non-illuminated and illuminated versions, and we can also customize buttons to suit your needs. All of our push buttons are UL listed and rated NEMA 4X for use in even harsh applications.

## Selector Switches

Benshaw's comprehensive line of 30 mm selector switches encompasses two-, three- and four-position models, with both maintained and spring return options. Our selector switches are also customizable via several handle insert color options and contact block configurations. All selector switches are UL rated up to NEMA 4X.

## Pilot Lights

Benshaw offers a complete line of standard and push-to-test 30 mm pilot lights, both at 24 V or 120 V . As with all of Benshaw's pilot devices, our pilot lights are UL rated up to NEMA 4X.

## Contact Blocks

Benshaw's line of 30 mm contact blocks is designed to save you time and cost. These robust yet easy to install blocks enable one pilot device to operate several control circuits. Our heavy-duty construction ensures that these contact blocks stay connected. Our mix and match flexibility allows you to create a unique product to accommodate your needs. An IP20 guard is standard on all contact blocks.

## BENSHAW | Pilot Devices

## PUSH BUTTONS (30mm)

Benshaw's line of 30 mm push buttons are durable, flexible, and ideal for a variety of uses. Available in two versions (non-illuminated and illuminated), these push buttons can be customized to suit your needs. All of our push buttons are UL listed and rated NEMA 4X for use in even harsh environments.

- UL listed
- NEMA RATING: $1,2,3,3 R, 12,13,4,4 X$

Fully-assembled operators come standard with one $3 / 16^{\prime \prime}(4.8 \mathrm{~mm})$ and three $1 / 16^{\prime \prime}(1.6 \mathrm{~mm})$ gaskets.


## PUSH BUTTONS (30mm)



January 2024

## BENSHAW | Pilot Devices

## SELECTOR SWITCHES

 STOCKEDBenshaw's comprehensive line of 30 mm selector switches encompasses 2 and 3 position models, with both maintained and spring return options. Highly customizable via several handle insert color options and contact block configurations, all selector switches are rated up to NEMA 4X.

All selector switches come with a black base.
Handle color is customizable.

- UL listed
- NEMA RATING: 1, 2, 3, 3R, 12, 13, 4, 4X

Fully-assembled operators come standard with one $3 / 16^{\prime \prime}(4.8 \mathrm{~mm})$ and three $1 / 16^{\prime \prime}(1.6 \mathrm{~mm})$ gaskets.

|  | Part Number | Handle Color | Contacts | Rating Type | List Price |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | OR2SW30-2PM-W-C | Black | 1 N.C. | 4/4X | \$47 |
|  | BR2SW30-2PM-W-O | Black | 1 N.O. | 4/4X | \$47 |
|  | -R2SW30-3PM-W-2O | White | 2 N.O. | 4/4X | \$47 |

## PILOT LIGHTS (30mm)

Benshaw offers a complete line of standard and push-to-test 30 mm pilot lights, both at 24 V or 120 V . As with all of Benshaw's pilot devices, all pilot lights are rated up to NEMA $4 X$.

All pilot lights are LED type.

- UL listed
- NEMA RATING: $1,2,3,3 R, 12,13,4,4 X$


## Standard Pilot Lights



## PILOT LIGHTS (30mm)



## ADDITIONAL ACCESSORIES

## Potentiometers

Benshaw offers standard 2 Watt potentiometers with prewired terminal blocks.

- UL listed
- NEMA RATING: 1, 2, 3, 3R, 12, 13, 4, 4X

Fully-assembled operators come standard with one $3 / 16^{\prime \prime}(4.8 \mathrm{~mm})$ and three $1 / 16^{\prime \prime}(1.6 \mathrm{~mm})$ gaskets.

| Part Number | Color | Contacts | Rating Type | List Price |  |
| :---: | :--- | :--- | :--- | :---: | :---: |
|  | ఆR2PB30-POT-5 | Black | 5 K Ohm | $4 / 4 \mathrm{X}$ | $\$ 102$ |
|  | OR2PB30-POT-10 | Black | 10K Ohm | $4 / 4 \mathrm{X}$ | $\$ 102$ |

* 5/64" Allen Wrench needed for installation.


## Wobble Stick

|  | Part Number | Color | Contacts | Rating Type | List Price |
| :--- | :--- | :--- | :--- | :---: | :---: |
|  |  |  |  |  |  |

*Spring return action to center.

## ADDITIONAL ACCESSORIES

## Legends

Benshaw offers a comprehensive line of legends in order to properly label all pilot devices.

## 2" x 2" Square Legends Adhesive Back

|  | Part Number | Legend | Description | List Price |
| :---: | :---: | :---: | :---: | :---: |
|  | LG-100300-000 | Close | Black with white lettering | \$3 |
|  | LG-100300-001 | Down | Black with white lettering | \$3 |
|  | LG-100300-002 | Emergency Stop | Black with white lettering | \$3 |
|  | LG-100300-003 | Fault | Black with white lettering | \$3 |
|  | LG-100300-004 | Forward | Black with white lettering | \$3 |
|  | LG-100300-005 | Hand | Black with white lettering | \$3 |
|  | LG-100300-006 | Jog | Black with white lettering | \$3 |
|  | LG-100300-007 | Jog Forward | Black with white lettering | \$3 |
|  | LG-100300-008 | Jog Reverse | Black with white lettering | \$3 |
|  | LG-100300-009 | Manual | Black with white lettering | \$3 |
|  | LG-100300-010 | Motor Run | Black with white lettering | \$3 |
| HAND AUTO | LG-100300-011 | Off | Black with white lettering | \$3 |
| STop | LG-100300-012 | On | Black with white lettering | \$3 |
| MERGE | LG-100300-013 | Open | Black with white lettering | \$3 |
| $\cdots$ | LG-100300-014 | Overload | Black with white lettering | \$3 |
| $\bigcirc$ | LG-100300-015 | Power Off | Black with white lettering | \$3 |
|  | LG-100300-016 | Power On | Black with white lettering | \$3 |
|  | LG-100300-017 | Push to Reset | Black with white lettering | \$3 |
|  | LG-100300-018 | Push to Test | Black with white lettering | \$3 |
|  | LG-100300-019 | Raise | Black with white lettering | \$3 |
|  | LG-100300-020 | Ready | Black with white lettering | \$3 |
|  | LG-100300-021 | Reset | Black with white lettering | \$3 |
|  | LG-100300-022 | Reverse | Black with white lettering | \$3 |
|  | LG-100300-023 | Run | Black with white lettering | \$3 |
|  | LG-100300-024 | Start | Black with white lettering | \$3 |
|  | LG-100300-025 | Stop | Black with white lettering | \$3 |
|  | LG-100300-026 | Test | Black with white lettering | \$3 |
|  | LG-100300-027 | Trip | Black with white lettering | \$3 |
|  | LG-100300-028 | Auto / Hand | Black with white lettering | \$3 |
|  | LG-100300-029 | Auto / Manual | Black with white lettering | \$3 |
|  | LG-100300-030 | Down / Up | Black with white lettering | \$3 |
|  | LG-100300-031 | Fast / Slow | Black with white lettering | \$3 |
|  | LG-100300-032 | Fwd / Rev | Black with white lettering | \$3 |
|  | LG-100300-033 | Hand / Auto | Black with white lettering | \$3 |

## ADDITIONAL ACCESSORIES

## 2" x 2" Square Legends Adhesive Back

|  | Part Number | Legend | Description | List Price |
| :---: | :---: | :---: | :---: | :---: |
|  | LG-100300-034 | Local / Remote | Black with white lettering | \$3 |
|  | LG-100300-035 | Manual / Auto | Black with white lettering | \$3 |
|  | LG-100300-036 | Off / On | Black with white lettering | \$3 |
|  | LG-100300-037 | On / Off | Black with white lettering | \$3 |
|  | LG-100300-038 | Open / Close | Black with white lettering | \$3 |
|  | LG-100300-039 | Pull Start / Push Stop | Black with white lettering | \$3 |
|  | LG-100300-040 | Push Off / Pull On | Black with white lettering | \$3 |
|  | LG-100300-041 | Pull On / Push Off | Black with white lettering | \$3 |
|  | LG-100300-042 | Push to Stop / Pull to Start | Black with white lettering | \$3 |
|  | LG-100300-043 | Rev / Fwd | Black with white lettering | \$3 |
|  | LG-100300-044 | Run / Jog | Black with white lettering | \$3 |
|  | LG-100300-045 | Start / Stop | Black with white lettering | \$3 |
|  | LG-100300-046 | Stop / Start | Black with white lettering | \$3 |
| HAND OFF AUTO | LG-100300-047 | Up / Down | Black with white lettering | \$3 |
| STOP | LG-100300-048 | Auto / Off / Hand | Black with white lettering | \$3 |
| - EMERGE | LG-100300-049 | Auto / Man / Off | Black with white lettering | \$3 |
| $\rightarrow 2$ | LG-100300-050 | Fwd / Off / Rev | Black with white lettering | \$3 |
| $<$ | LG-100300-051 | Fwd / Off / Rev | Black with white lettering | \$3 |
|  | LG-100300-052 | H/O/A | Black with white lettering | \$3 |
|  | LG-100300-053 | Off / Start | Black with white lettering | \$3 |
|  | LG-100300-054 | Start / Run | Black with white lettering | \$3 |
|  | LG-100300-055 | Speed 0-100 | Black with white lettering | \$3 |
|  | LG-100300-056 | Close | White with black lettering | \$3 |
|  | LG-100300-057 | Down | White with black lettering | \$3 |
|  | LG-100300-058 | Emergency Stop | White with black lettering | \$3 |
|  | LG-100300-059 | Fault | White with black lettering | \$3 |
|  | LG-100300-060 | Forward | White with black lettering | \$3 |
|  | LG-100300-061 | Hand | White with black lettering | \$3 |
|  | LG-100300-062 | Jog | White with black lettering | \$3 |
|  | LG-100300-063 | Jog Forward | White with black lettering | \$3 |
|  | LG-100300-064 | Jog Reverse | White with black lettering | \$3 |
|  | LG-100300-065 | Manual | White with black lettering | \$3 |
|  | LG-100300-066 | Motor Run | White with black lettering | \$3 |
|  | LG-100300-067 | Off | White with black lettering | \$3 |
|  | LG-100300-068 | On | White with black lettering | \$3 |
|  | LG-100300-069 | Open | White with black lettering | \$3 |
|  | LG-100300-070 | Overload | White with black lettering | \$3 |
|  | LG-100300-071 | Power Off | White with black lettering | \$3 |
|  | LG-100300-072 | Power On | White with black lettering | \$3 |
|  | LG-100300-073 | Push to Reset | White with black lettering | \$3 |

## ADDITIONAL ACCESSORIES

## 2" x 2" Square Legends Adhesive Back

|  | Part Number | Legend | Description | List Price |
| :---: | :---: | :---: | :---: | :---: |
|  | LG-100300-074 | Push to Test | White with black lettering | \$3 |
|  | LG-100300-075 | Raise | White with black lettering | \$3 |
|  | LG-100300-076 | Ready | White with black lettering | \$3 |
|  | LG-100300-077 | Reset | White with black lettering | \$3 |
|  | LG-100300-078 | Reverse | White with black lettering | \$3 |
|  | LG-100300-079 | Run | White with black lettering | \$3 |
|  | LG-100300-080 | Start | White with black lettering | \$3 |
|  | LG-100300-081 | Stop | White with black lettering | \$3 |
|  | LG-100300-082 | Test | White with black lettering | \$3 |
|  | LG-100300-083 | Trip | White with black lettering | \$3 |
|  | LG-100300-084 | Auto / Hand | White with black lettering | \$3 |
|  | LG-100300-085 | Auto / Manual | White with black lettering | \$3 |
|  | LG-100300-086 | Down / Up | White with black lettering | \$3 |
|  | LG-100300-087 | Fast / Slow | White with black lettering | \$3 |
| OFF | LG-100300-088 | Fwd / Rev | White with black lettering | \$3 |
|  | LG-100300-089 | Hand / Auto | White with black lettering | \$3 |
| EMERG | LG-100300-090 | Local / Remote | White with black lettering | \$3 |
| $\rightarrow 2$ | LG-100300-091 | Manual / Auto | White with black lettering | \$3 |
| $1<$ | LG-100300-092 | Off / On | White with black lettering | \$3 |
| , | LG-100300-093 | On / Off | White with black lettering | \$3 |
| Op | LG-100300-094 | Open / Close | White with black lettering | \$3 |
|  | LG-100300-095 | Pull Start / Push Stop | White with black lettering | \$3 |
|  | LG-100300-096 | Push Off Pull On | White with black lettering | \$3 |
|  | LG-100300-097 | Push On / Push Off | White with black lettering | \$3 |
|  | LG-100300-098 | Push to Stop / Pull to Start | White with black lettering | \$3 |
|  | LG-100300-099 | Rev / Fwd | White with black lettering | \$3 |
|  | LG-100300-100 | Run / Jog | White with black lettering | \$3 |
|  | LG-100300-101 | Start / Stop | White with black lettering | \$3 |
|  | LG-100300-102 | Stop / Start | White with black lettering | \$3 |
|  | LG-100300-103 | Up / Down | White with black lettering | \$3 |
|  | LG-100300-104 | Auto / Off / Hand | White with black lettering | \$3 |
|  | LG-100300-105 | Auto / Man / Off | White with black lettering | \$3 |
|  | LG-100300-106 | Fwd / Auto / Rev | White with black lettering | \$3 |
|  | LG-100300-107 | Fwd / Off / Rev | White with black lettering | \$3 |
|  | LG-100300-108 | H/O/A | White with black lettering | \$3 |
|  | LG-100300-109 | Off / Run / Start | White with black lettering | \$3 |
|  | LG-100300-110 | Off / Start / Run | White with black lettering | \$3 |
|  | LG-100300-111 | Speed 0-100 | White with black lettering | \$3 |

## "Emergency Stop", 2-13/32" Diameter" Circle, Yellow Face with Black Lettering, Adhesive Back

| Part Number | Legend | List Price |
| :--- | :--- | :---: |
| LG-100300-112 | Emergency Stop | $\$ 5.50$ |

## CONTACT BLOCKS

Benshaw's line of 30 mm Contact Blocks is designed to save you time and cost. These robust yet easy to install blocks enable one pilot device to operate several control circuits. Our heavy-duty construction ensures that these contact blocks stay connected. This mix and match flexibility allows you to create a unique product to accommodate your needs.

Ratings


R2N030
(with IP20 guard removed)


R2DB30 (with IP20 guard)


R2NC30
(with IP20 guard removed)

| Part Number | Color | Contacts | List Price |
| :--- | :--- | :--- | :---: |
| ఆR2NO30 | Green | 1 N.O. | $\$ 11$ |
| ఆR2NC30 | Red | 1 N.C | $\$ 11$ |
| ఆR2EM30 | White | 1 N.O. Early make | $\$ 14$ |
| ఆR2DB30 | Black | 1 N.C Delayed Break | $\$ 14$ |
| ఆR2NOG30 | Green | 1 N.O. Gold Terminals | $\$ 20$ |
| ఆR2NCG30 | Red | 1 N.C Gold Terminals | $\$ 20$ |
| ఆR2EMG30 | White | 1 N.O. Early make Gold Terminals | $\$ 23$ |
| ఆR2DBG30 | Black | 1 N.C Delayed Break Gold Terminals | $\$ 23$ |

[^0]
## DESIGN YOUR CUSTOMIZED PUSH BUTTONS

## Non-IIluminated Push Buttons

## Configurator

Only one option can be selected from each group.


```
Level 3 - Cap Color
K = Black Cap
B = Blue Cap
G = Green Cap
X = Grey Cap
R = Red Cap
W = White Cap
\(\mathrm{Y}=\) Yellow Cap
```

```
Level 2-Type
F = Flush (Momentary)
G = Guarded Flush (Momentary)
E = Extended (Momentary)
X = Guarded Extended (Momentary)
M = Mushroom (Momentary)
J = Jumbo Mushroom (Momentary)
H = Shrouded Mushroom (Momentary)
S = Shrouded Jumbo Mushroom (Momentary)
2PM = Push-Pull Mushroom
2PJ = Push-Pull Jumbo Mushroom
2TM = Push-Twist Mushroom
3Cl = Momentary Out, Maintained Center, Maintained In
3C = Momentary Out, Maintained Center, Maintained In
```

```
Level 1-Base
R2PB30 = 30MM Push Button
```


## DESIGN YOUR CUSTOMIZED PUSH BUTTONS

## Non-Illuminated Push Buttons

## Pricing

|  | Part Number | Description | List Price |
| :---: | :---: | :---: | :---: |
| Level 1 - Base | R2PB30 | 30MM Push Button | Included |
| Level 2 -Type | F | Flush (Momentary) | \$15 |
|  | G | Guarded Flush (Momentary) | \$19 |
|  | E | Extended (Momentary) | \$15 |
|  | X | Guarded Extended (Momentary) | \$19 |
|  | M | Mushroom (Momentary) | \$22 |
|  | J | Jumbo Mushroom (Momentary) | \$25 |
|  | H | Shrouded Mushroom (Momentary) | \$29 |
|  | S | Shrouded Jumbo Mushroom (Momentary) | \$31 |
|  | 2PM | Push-Pull Mushroom | \$49 |
|  | 2PJ | Push-Pull Jumbo Mushroom | \$54 |
|  | 2TM | Push-Twist Mushroom | \$52 |
|  | 3 Cl | Momentary Out, Maintained Center, Maintained In | \$48 |
|  | 3 C | Momentary Out, Maintained Center, Momentary In | \$48 |
| Level 3 - Cap Color | K | Black Cap | Included |
|  | B | Blue Cap | Included |
|  | G | Green Cap | Included |
|  | X | Grey Cap | Included |
|  | R | Red Cap | Included |
|  | W | White Cap | Included |
|  | Y | Yellow Cap | Included |
| Level 4 - Contact Blocks | Blank | Left Side: Operator without Contact Blocks | Included |
|  | 0 | Left Side: 1 Normally Open Contact Block | \$12 |
|  | C | Left Side: 1 Normally Closed Contact Block | \$12 |
|  | E | Left Side: 1 Early Make Contact Block | \$14 |
|  | D | Left Side: 1 Delayed Break Contact Block | \$14 |
|  | 20 | Left Side: 2 normally Open Contact Blocks | \$22 |
|  | 2 C | Left Side: 2 Normally Closed Contact Blocks | \$22 |
|  | OC | Left Side: 1 Normally Open and 1 Normally Closed Contact Block | \$22 |
|  | $C D$ | Left Side: 1 Normally Closed and 1 Delayed Break Contact Block (3 Position) | \$30 |

## DESIGN YOUR CUSTOMIZED PUSH BUTTONS

## Illuminated Push Buttons

## Configurator

Only one option can be selected from each group.


> Level 5 - Contact Blocks
> Blank= Left Side: Operator without Contact Blocks
> O = Left Side: 1 Normally Open Contact Block
> C = Left Side: 1 Normally Closed Contact Block
> E = Left Side: 1 early Make Contact Block
> D = Left Side: 1 Delayed Break Contact Block
> 2 = Left Side: 2 Normally Open Contact Blocks
> 2C = Left Side: 2 Normally Closed Contact Blocks
> OC = Left Side: 1 Normally Open and 1 Normally Closed Contact Block

```
Level 4-LED and Lens Color
A = Amber LED and Lens
B = Blue LED and Lens
G = Green LED and Lens
R = Red LED and Lens
W = White LED and Lens
```

```
Level 3-Voltage Rating
24=24V Full Voltage Operator
120 = 120V Full Voltage Operator
```

Level 2 -Type
ILE = Illuminated Extended (Momentary)
ILM = Illuminated Mushroom (Momentary)
ILG = Illuminated Guarded (Momentary)
ILS = Illuminated Shrouded (Momentary)
IL2P = Illuminated 2-Position Push-Pull Mushroom (Maintained)

## DESIGN YOUR CUSTOMIZED PUSH BUTTONS

## Illuminated Push Buttons

## Pricing

|  | Part Number | Description | List Price |
| :---: | :---: | :---: | :---: |
| Level 1 - Base | R2PB30 | 30MM Push Button | Included |
|  | ILE | Illuminated Extended (Momentary) | \$59 |
|  | ILM | Illuminated Mushroom (Momentary) | \$67 |
| Level 2 - Type | ILG | Illuminated Guarded (Momentary) | \$67 |
|  | ILS | Illuminated Shrouded (Momentary) | \$74 |
|  | IL2P | Illuminated 2-Position Push-Pull Mushroom (Maintained) | \$85 |
|  | 24 | 24 V Full Voltage Operator | Included |
|  | 120 | 120V Full Voltage Operator | Included |
|  | A | Amber LED and Lens | Included |
|  | B | Blue LED and Lens | Included |
| Level 4 - LED and Lens Color | G | Green LED and Lens | Included |
|  | R | Red LED and Lens | Included |
|  | W | White LED and Lens | Included |
|  | (Blank) | Left Side: Operator without Contact Blocks | Included |
|  | 0 | Left Side: 1 Normally Open Contact Block | \$12 |
|  | C | Left Side: 1 Normally Closed Contact Block | \$12 |
| Level 5 - Contact Blocks | E | Left Side: 1 Early Make Contact Block | \$14 |
| Level 5 - Contact Blocks | D | Left Side: 1 Delayed Break Contact Block | \$14 |
|  | 20 | Left Side: 2 Normally Open Contact Blocks | \$22 |
|  | 2 C | Left Side: 2 Normally Closed Contact Blocks | \$22 |
|  | OC | Left Side: 1 Normally Open and 1 Normally Closed Contact Block | \$22 |

## DESIGN YOUR CUSTOMIZED SELECTOR SWITCHES

## Configurator

Only one option can be selected from each group.


## DESIGN YOUR CUSTOMIZED SELECTOR SWITCHES

## Pricing

|  | Part Number | Description | List Price |
| :---: | :---: | :---: | :---: |
| Level 1 - Base | RS2W30 | 30MM Selector Switch | Included |
| Level 2 - Operator Function | 2PM | 2 Position Maintained | \$21 |
|  | 2PRLR | 2 Position Spring Return, Left to Right | \$33 |
|  | 2PRRL | 2 Position Spring Return, Right to Left | \$33 |
|  | 3PM | 3 Position Maintained | \$21 |
|  | 3PRLC | 3 Position Spring Return, Left to Center | \$33 |
|  | 3PRRC | 3 Position Spring Return, Right to Center | \$33 |
|  | 3PLRC | 3 Position Spring Return, Left and Right to Center | \$33 |
|  | 4PM | 4 Position Maintained | \$21 |
|  | 4PR43 | 4 Position Spring Return, Position 4 to 3 | \$33 |
|  | 4P1243 | 4 Position Spring Return, Position 1 to 2 and 4 to 3 | \$33 |
| Level 3 - Handle Color | B | Blue | Included |
|  | G | Green | Included |
|  | X | Grey | Included |
|  | R | Red | Included |
|  | W | White | Included |
|  | Y | Yellow | Included |
| Level 4 - Contact Blocks | (Blank) | Left Side: Operator without Contact Blocks | Included |
|  | 0 | Left Side: 1 Normally Open Contact Block | \$12 |
|  | C | Left Side: 1 Normally Closed Contact Block | \$12 |
|  | E | Left Side: 1 Early Make Contact Block | \$14 |
|  | D | Left Side: 1 Delayed Break Contact Block | \$14 |
|  | 20 | Left Side: 2 Normally Open Contact Blocks | \$22 |
|  | 2 C | Left Side: 2 Normally Closed Contact Blocks | \$22 |
|  | OC | Left Side: 1 Normally Open and 1 Normally Closed Contact Block | \$22 |

## DESIGN YOUR CUSTOMIZED PILOT LIGHTS

## Configurator

Only one option can be selected from each group.


Pricing

|  | Part Number | Description | List Price |
| :---: | :---: | :---: | :---: |
| Level 1 - Base | R2PL30 | 30MM Pilot Light | Included |
|  | (Blank) | Standard Pilot Light | \$51 |
|  | TE | Push-to-Test Extended | \$85 |
| Level 2 - Type | TM | Push-to-Test Mushroom | \$92 |
|  | TG | Push-to-Test Guarded | \$92 |
|  | TS | Push-to-Test Shrouded | \$100 |
|  | 24 | 24V Full Voltage Operator (Standard Operator) | \$0 |
| Level 3 - Voltage Rating | 24 | 24V Full Voltage Operator (Push-to-Test)* | \$12 |
|  | 120 | 120 V Full Voltage Operator | Included |
|  | A | Amber LED and Lens | Included |
|  | B | Blue LED and Lens | Included |
| Level 4 - LED and Lens Color | G | Green LED and Lens | Included |
|  | R | Red LED and Lens | Included |
|  | W | White LED and Lens | Included |

* All 24V Push-to-Test Pilot Lights come standard with gold plated contacts.


## DIMENSIONAL DRAWINGS <br> Momentary Non-Illuminated Push Buttons

Non-Illuminated Operator
(Shown with Momentary Flush Cap, but used on all Non-Illuminated Push buttons)


F = Momentary Flush Cap


G = Momentary Guarded Flush Cap

$\mathrm{E}=$ Momentary Extended Cap


X = Momentary Guarded Extended Cap


## DIMENSIONAL DRAWINGS

## Momentary Non-Illuminated Push Buttons

M = Momentary Mushroom Cap (1-1/2")


H = Momentary Shrouded Mushroom Cap (1-1/2")


Maintained Non-Illuminated Push Buttons
2PM = 2-Position Push-Pull Maintained Mushroom Cap (1-1/2")

$J=$ Momentary Jumbo Mushroom Cap (2-1/4")


S = Momentary Shrouded Jumbo Mushroom
Cap (2-1/4")


2PJ = 2-Position Push-Pull Maintained Jumbo Mushroom Cap (2-1/4")


## Push Pull Maintained Non-Illuminated Push Buttons

2TM $=2$-Position Push-Twist Maintained Mushroom Cap (1-1/2")


## DIMENSIONAL DRAWINGS

Momentary Illuminated Push Buttons

ILE = Extended IIluminated Push Button


ILS = Illuminated Shrouded Mushroom Lens


ILM = Illuminated Push Button with Mushroom Lens


ILG = Guarded IIluminated Push Button


## Push Pull Maintained Illuminated Push Buttons

IL2P = 2-Position Push-Pull Mushroom


## BENSHAW | Pilot Devices

## DIMENSIONAL DRAWINGS

## Selector Switches

Selector Switch Lever Handle (Dimensions same for all Operator Functions)


## DIMENSIONAL DRAWINGS

## Pilot Lights

## Pilot Light (with IP20 guard)

Fully-assembled operators come standard with one $3 / 16^{\prime}(4.8 \mathrm{~mm})$ and two $1 / 16^{\prime \prime}$ ( 1.6 mm ) gaskets.


## Push-to-Test Pilot Lights

Fully-assembled operators come standard with one $3 / 16^{\prime}(4.8 \mathrm{~mm})$ and three $1 / 16^{\prime \prime}(1.6 \mathrm{~mm})$ gaskets.

TM = Mushroom Lens


## BENSHAW | Pilot Devices

## DIMENSIONAL DRAWINGS

## Pilot Lights

## Push-to-Test Pilot Lights

$\mathrm{TE}=$ Extended Lens


TG = Guarded Lens


TS = Shrouded Lens


## DIMENSIONAL DRAWINGS

## Potentiometers

Potentiometer Operator


Wiring Diagram


## Wobble Stick

Fully-assembled operators come standard with one $3 / 16^{\prime}(4.8 \mathrm{~mm})$ and three $1 / 16^{\prime \prime}(1.6 \mathrm{~mm})$ gaskets.


## Legends

2" x 2" Square Legends


2-13/32" Diameter Circle Legends


## DIMENSIONAL DRAWINGS <br> Contact Blocks

Standard Contact Block


Contact Block (Shown with IP20 terminal guard)


IP20 guard included

## Other Products Available from Benshaw

Low Voltage and Medium Voltage Variable Frequency Drives



General, pump \& industrial, open, N1, washdown and packaged assemblies.
.5-1000HP @ 460V


Benshaw Medium Voltage drive technology, high performance, high reliability. Up to 14,000HP @ 2.3-13.8KV

## Medium Voltage Soft Starters, ATL Starters and Switchgear



Standard \& custom assemblies.
Freestanding, lineups, skid mounted and more.
Up to $25,000 \mathrm{HP}$ @ $2.3-13.8 \mathrm{KV}$
MV switchgear assemblies, standalone or MCC/lineup.

## Control \& Protection



Circuit Breakers

Contactors, overload relays, MSPs \& packaged assemblies. 5-600HP @ 460V
 @ 4.16-13.8KV

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Benshaw - Aucom Ltd. International

- Germany
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- Korea


[^0]:    *Each Contact Block comes standard with an IP20 guard.

