## SERIES OMPBD7 PILOT DEVICES

 THE ECONOMICAL SOLUTION FOR HIGH PERFORMANCE CONTROL, SIGNALING AND SWITCHING APPLICATIONSOmega's rugged OMPBD7 pilot devices offer maximum flexibility and a wide choice for all applications. This 22 mm line is aesthetically appealing and modularly designed to make assembly and interchangeability easy. The OMPBD7 operators are available in two different body styles to meet every application need. Both operators exhibit a new lower profile stylish appearance while maintaining the rugged performance necessary for demanding environments.

## Two Operator Types

OMPBD7P is a plastic operator with a captive black plastic front bezel. Constructed of high-grade thermoplastics the OMPBD7P is the corrosion resistant solution for harsh environments. For super tough applications, the OMPBD7M has a die-cast zinc housing and mounting ring for rugged durability. Both are finished with corrosion resistant chrome plating. The OMPBD7M also features a captive shiny metal bezel for a polished appearance.

## Less Inventory, More Choices

 Omega offers OMPBD7 pushbuttons in a wide range of devices - from selector switches to multifunction pushbuttons. Their modular design keeps the number of required parts to a minimum, while offering multiple functions and a variety of style and color combinations. Back-of-panel components can be combined with all front elements, making the OMPBD7 line extremely flexible. This approach reduces inventory, yet provides virtually any configuration you require.
## Quick, Easy Installation

A standard anti-rotation tab keeps front elements from turning or falling off the control panel, making it possible for one person to install all OMPBD7 components even if the front and rear panel are not accessible at the same time. A central mounting ring allows for quick installation and removal of all OMPBD7 operators. All back-of-panel components including contact blocks and power module elements snap-on and


OMPBD7M-F9, \$5, shown larger than actual size, see page 207 for details.

OMPBD7P-F9, \$4, shown larger than actual size, see page 207 for details.
are readily accessible and interchangeable without removing the pilot device from the panel.

## Tool-Less Mounting Latch

The OMPBD7 "toolless" mounting latch mates the front element with the contact blocks and other back-of-panel components. The mounting latch is available in a plastic
 and metal design. The latches are easily installed with a "click" and removed by pushing a rotating collar to the right. Quick, reliable and strong, it's the best pilot device mounting latch available in the industry.

## Long Electrical and Mechanical Life

Most OMPBD7 operators have a mechanical of ten million operations... five million contact blocks. Electrical life ranges from 500,000 cycles at 3 A to ten million at 0.1 A . The OMPBD7 line is also electronics compatible with self cleaning contacts.

## Environmental Ratings

Front elements, including pushbuttons, mushroom operators and selector switches, are IP 66 protection against submersion, oil and dirt, making them reliable in the toughest industrial environments. Metal operators are Type 4/13 and Type 4/4X/13 for plastic operators.

## OMPBD7 Pilot Devices -Modular, Flexible and Complete

This illustration shows typical combinations available depending on the front and back-of panel components chosen. Up to six contact blocks can be used on non-illuminated devices.


1 OMPBD7P Operator-Corrosion resistant plastic construction with black plastic bezel
2 OMPBD7M Operator—Metal construction with shiny metal bezel
3 Colored Lenses and Color CapsAvailable in many colors

4/5 Inscription Diffusers-Diffusers and color caps available in many standard text and ISO symbol options, and foreign languages

6 Tool-less Mounting Latch— For snap-on contact blocks and power module elements

7 Contact Blocks-Five types available including NOEM, NCLB, and Low Voltage

8 Power Modules, Integral LED—Full voltage module requires only one slot

9 Power Modules, Incandescent-Full voltage module requires only one slot
10 Bulbs-Incandescent and neon bulbs that include the incandescent power module

Touch-Safe—Back of panel components are finger safe, with IP 20 protection.

Long Lasting Integral LED AssembliesOur new LED lamps last up to 11 years! They are conveniently offered as a complete unit for all illuminated operators which include the one piece
 Integral LED Module. They come in five different colors: amber, blue, green, red and white.

Full Line of Accessories and EnclosuresA variety of metal and plastic enclosures are available for any application. Replacement components, legend plates and convenient accessories are available from stock, including rings for adapting 30 mm holes to fit the 22 mm OMPBD7 line.


OMPBD7M-F3PX10, \$12 shown larger than actual size.

Visit


OMPBD7P-F3PX10, \$11, shown larger than actual size.

| TO Oraigr (specify Mod |  | MOST POPULAR MODELS HIGHLIGHTED! |  |
| :---: | :---: | :---: | :---: |
| MODEL NO. | PRICE | DESCRIPTION |  |
| Plastic Flush, Non-Illuminating, Momentary Pushbuttons (Complete Kits) 22.5 mm |  |  |  |
| OMPBD7P-F2PX01 | \$11.00 | Plastic black 1 NC momentary-flush |  |
| OMPBD7P-F2PX10 | 11.00 | Plastic black 1 NO momentary-flush |  |
| OMPBD7P-F3PX01 | 11.00 | Plastic green 1 NC momentary |  |
| OMPBD7P-F3PX10 | 11.00 | Plastic green 1 NO momentary |  |
| OMPBD7P-F4PX01 | 11.00 | Plastic red 1 NC momentary |  |
| OMPBD7P-F4PX10 | 11.00 | Plastic red 1 NO momentary |  |
| Metal Flush, Non-Illuminating, Momentary Pushbuttons (Complete Kits) 22.5 mm |  |  |  |
| OMPBD7M-F2PX01 | \$12.00 | Metal black 1 NC momentary-flush |  |
| OMPBD7M-F2PX10 | 12.00 | Metal black 1 NO momentary-flush |  |
| OMPBD7M-F3PX10 | 12.00 | Metal green 1 NO momentary-flush |  |
| OMPBD7M-F4PX01 | 12.00 | Metal red 1 NC momentary-flush |  |
| Plastic Flush, Non-Illuminating, Maintained Pushbuttons (Complete Kits) 22.5 mm |  |  |  |
| OMPBD7P-FA2PX10E | \$14.00 | Maintained non-illum plastic-plastic ring-black cap-flush-1 NOEM |  |
| OMPBD7P-FA2PX01 | 14.00 | Maintained non-illum plastic-plastic ring-black cap-flush-1 NC |  |
| OMPBD7P-FA3PX10E | 14.00 | Maintained non-illum plastic-plastic ring-green cap-flush-1 NOEM |  |
| OMPBD7P-FA4PX01 | 14.00 | Maintained non-illum plastic-plastic ring-red cap-flush-1 NC |  |
| Metal Flush, Non-Illuminating, Maintained Pushbuttons (Complete Kits) 22.5 mm |  |  |  |
| OMPBD7M-FA2PX01 | \$16.00 | Maintained non-illum metal-metal ring-black-flush-1 NC |  |
| OMPBD7M-FA2PX10E | 16.00 | Maintained non-illum metal-metal ring-black-flush-1 NOEM |  |
| OMPBD7M-FA3PX01 | 16.00 | Maintained non-illum metal-metal ring-green-flush-1 NC |  |
| OMPBD7M-FA3PX10E | 16.00 | Maintained non-illum metal-metal ring-green-flush-1 NOEM |  |
| OMPBD7M-FA4PX01 | 16.00 | Maintained non-illum metal-metal ring-red-flush-1 NC |  |
| OMPBD7M-FA4PX10E | 16.00 | Maintained non-illum metal-metal ring-red-flush-1 NOEM |  |

OMPBD7P-F3PX10, \$11, shown larger than actual size.


Components diagram for momentary pushbuttons.


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OMPBD7P-LMM43, \$14, shown larger than actual size.


Components diagram for illuminated mushroom pushbuttons.

| To Order (specify Model Number) |  |  | MOST POPULAR MODELS HIGHLIGHTED! |
| :---: | :---: | :---: | :---: |
| MODEL NO. PRICE |  | DESCRIPTION |  |
| Standard Plastic Mushroom, Momentary, Illuminated Pushbuttons (Operators) |  |  | ) 1 |
| OMPBD7P-LMM43 | \$14.00 | Green-plastic operator with plastic bezel, momentary, 40 mm mushroom |  |
| Tool-less Mounting Latch 3 |  | Red-plastic operator with plastic bezel, momentary, 40 mm mushroom |  |
|  |  |  |  |
| OMPBD7-ALM | \$4.95 | Tool-less mounting latch, metal |  |
| OMPBD7-ALP | 3.85 | Tool-less mounting latch, plastic |  |
| Power Module 4 |  |  |  |
| OMPBD7-DOC | \$9.40 | Power module incandescent |  |
| Lamps, Incandescent 5 |  |  |  |
| OMPBD7-N130 | \$4.40 | Incandescent lamp $130 \mathrm{Vac} / \mathrm{Vdc}$ |  |
| OMPBD7-N157 | 4.40 | Incandescent lamp $24 \mathrm{Vac} / \mathrm{Vdc}$ |  |
| Lamps, Neon 5 |  |  |  |
| OMPBD7-N240 | \$4.40 | Neon lamp 240 Vac |  |
| Power Module, Integral LED 6 |  |  |  |
| OMPBD7-N3R | \$15.00 | Red power module, integral LED $24 \mathrm{Vac} / \mathrm{Vdc}$ |  |
| OMPBD7-N3G | 15.00 | Green power module, integral LED $24 \mathrm{Vac} / \mathrm{Vdc}$ |  |
| OMPBD7-N5R | 15.00 | Power module, integral LED 120 Vac |  |
| OMPBD7-N5G | 15.00 | Power module, integral LED 120 Vac |  |
| Contact Blocks 7 |  |  |  |
| OMPBD7-X01 | \$6.00 | NC contact block contact block |  |
| OMPBD7-X10 | 6.00 | NO contact block contact block |  |
| OMPBD7-X10E | 6.00 | NO early make contact block |  |
| OMPBD7-X01L | 6.00 | NC late break contact block |  |
| OMPBD7-X10V | 12.00 | NO low voltage contact block |  |
| OMPBD7-X01V | 12.00 | NC low votlage contact block |  |

[^1]

Comes with instruction sheet.
Ordering Example: OMPBD7P-MT44, 40 mm operator, OMPBD7-ALP, mounting latch, OMPBD7-X10, no contact block,
$\$ 14+3.85+6=\$ 23.85$.



[^2]Back-of-Panel Gomponents
DESCRIPTION
PLASTIC (OMPBD7P)
METAL (OMPBD7M)
ELEGTRICAL RATINGS


## Notes:

1 Performance data given in this publication is provided only as a guide for the user in determining suitability and do not constitute a performance warranty of any kind. Such data may represent the results of accelerated testing at elevated stress levels, and the user is responsible for correlating the data to actual application requirements. ALL WARRANTIES AS TO ACTUAL PERFORMANCE, WHETHER EXPRESS OR IMPLIED, ARE EXPRESSLY DISCLAIMED.

4 Low voltage contacts are recommended for applications below $17 \mathrm{~V}, 5 \mathrm{~mA}$.
5 Wires less than \#18 ( 0.75 mm 2 ) may not hold in terminal securely.

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[^0]:    Comes with instruction sheet.
    Ordering Example: OMPBD7-AF3, green color cap, OMPBD7P-F9, plastic operator with bezel, momentary flush, OMPBD7-ALP, mounting latch, OMPBD7-X10, no contact block, $\$ 0.55+4+3.85+6=\$ 14.40$.

[^1]:    Comes with instruction sheet.
    Ordering Example: OMPBD7P-LMM44, red illuminated mushroom pushbutton, OMPBD7-ALP, mounting latch, OMPBD7-DOC, power module, OMPBD7-N157, incandescent lamp $24 \mathrm{Vac} / V d c$, OMPBD7-X10, no contact block, $\$ 14+3.85+9.40+4.40+6=\$ 37.65$.

[^2]:    Notes:
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    2 Momentary mushroom operators are IP65, multi-function operators have no Type 13 rating. Plastic operators with keys have no Type $4 X$ rating.
    3 Operating temperatures below $0^{\circ} \mathrm{C}\left(32^{\circ} \mathrm{F}\right)$ are based on the absence of freezing moisture and liquids, UL recognized to $55^{\circ} \mathrm{C}\left(131^{\circ} \mathrm{F}\right)$ incandescent module, $\max 40^{\circ} \mathrm{C}\left(104^{\circ} \mathrm{F}\right)$.

