

# PILOT DEVICES PRODUCT LINE



## PILOT DEVICES PRODUCT PROFILE

c3controls' innovative portfolio of **Pilot Devices** offers a wide selection of operators in 30mm industrial and hazardous, 22mm IEC & NEMA, 16mm and 13mm. Each product is manufactured to satisfy the machine builder by exceeding performance expectations in the most demanding applications. At c3controls, product design, material selection, and superior manufacturing are combined to produce a truly innovative product just for you.

### C3CONTROLS PILOT DEVICES DELIVER EXCELLENCE IN AMERICAN MANUFACTURING

✓ <b>Variety of Operators</b>	Our Pilot Devices include contact blocks, push buttons, pilot lights, selector switches, special operators, and complementary accessories.
✓ <b>Reduced Inventory</b>	With our unique modular design and interchangeable cap types and colors, you can reduce your inventory while saving time and cost.
✓ <b>Wide Range of Operation</b>	c3controls Pilot Devices are available in full voltage, transformer, resistor, multi-voltage, and dual input.
✓ <b>Simple Customization</b>	Our light modules come with various lens color options for appropriate operator interface and are available in incandescent, neon, or our LED lamps with leakage protection.
✓ <b>Easy to Install</b>	Our "snap-on" contact blocks are color coded for quick circuit identification and provide the flexibility to operate multiple control circuits from a single operator.
✓ <b>Visible Certifications</b>	The product certifications and electrical ratings are clearly marked on the outside of the contact blocks for easy reference during installation.
✓ <b>Heavy-Duty</b>	Polyester construction provides superior durability, corrosion resistance, moisture rejection and electrical insulation.
✓ <b>Rugged Lexan™ Lenses</b>	Our Lexan™ lenses provide improved visibility and resistance to high impact for reliable performance, even in high ambient temperatures.
✓ <b>Comprehensive Product Ratings</b>	All operators are UL Listed and rated Type 4/4X as Standard for watertight and corrosion resistance. They are also rated for Type 1, 2, 3, 3R, 12, and 13.
✓ <b>Lifetime Warranty</b>	Every product is backed by our lifetime warranty—unmatched in the industry—bringing you quality components that perform in the most demanding applications.
✓ <b>Guaranteed Same-Day Shipping</b>	Product availability reduces inventory, and improves cash-flow—saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day.
✓ <b>Advantage Pricing</b>	At c3controls, you work directly with us—no distributors, no warehouses, no middle-men—no extra costs.

\*See c3controls Terms & Conditions



### UNIQUE FEATURES

#### Metal on the Inside

- Our rugged design and nickel-plated detent mechanism ensures reliable operation in emergency applications, providing safe interruption of circuits and a much longer life.

#### U-Cup Seal

- Our revolutionary U-Cup seal is infused with a Teflon coating to eliminate cracking when exposed to harsh conditions and keeps water, oils, and dust away from the contact blocks.

#### Internal Self-Lubricant

- All frictional parts are molded with an internal self-lubricant to provide outstanding wear without troublesome greases used by others.

#### Exclusive Multi-Voltage Lights

- We've expanded the range of our multi-voltage lights. Our non-relampable and relampable multi-voltage light units that once operated from 20V to 240V, now operate at any voltage from 20V to 277V AC or DC without losing intensity, making them interchangeable across multiple applications—an exclusive of c3controls!

#### One Cam Design

- Our single cam design eliminates the need for multiple cam and selector switch configurations, reducing inventory and saves you labor time and costs.

LIFETIME WARRANTY SAME-DAY SHIPPING ADVANTAGE PRICING

**c3controls**®

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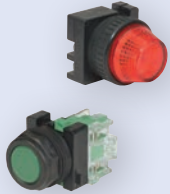
series  
**30**series  
**22**series  
**16**series  
**13**

## PILOT DEVICES PRODUCT LINE

## FEATURES

series  
**30**

## 30MM INDUSTRIAL &amp; HAZARDOUS PILOT DEVICES



- Wide range of snap-on contact blocks for ordinary and hazardous (Class 1, Div. 2) locations.
- The most rugged Emergency Stop Push Buttons in the industry.
- Single cam design eliminates the need for multiple cam and selector switch configurations, reducing inventory and saves you labor and costs.
- Exclusive multi-voltage light modules are available.
- Potentiometers, legend plates, and accessories also available.

series  
**22**

## 22MM IEC &amp; NEMA PILOT DEVICES



- EN418 IEC E-Stop Operator features unique trigger action.
- Save space behind the panel—new IEC shorter contact blocks and light modules.
- Integrated NEMA contact blocks are rated A600, P300.
- IEC devices include our exclusive multi-voltage light modules.
- IEC dual push buttons in illuminated and non-illuminated.
- Potentiometers, legend plates, and accessories also available.

series  
**16**

## 16MM PILOT LIGHTS



- Transformer, Resistor, Dual Input, and Full & Multi-Voltage.
- Encased resistors keep heat away from wires to prevent melting.
- Lights are available in Incandescent, Neon, and LED.
- Polyester construction with no ceramic external resistor.
- Legend plates and accessories also available.

series  
**13**

## 13MM PILOT LIGHTS



- Light units available with self-lifting terminal screws or wire leads.
- Internal resistors match various AC & DC voltages.
- Conventional front panel mounting for simple installation.
- Legend plates and accessories also available.
- Superior safety with use of optional IP20 guard

## CERTIFICATIONS

## Conformity to Standards:

**30mm Industrial Pilot Devices**  
UL 508, 1604

CSA C22.2 No. 14, 213  
IEC 60947-1, 60947-5-1

**30mm Multi-Voltage Pilot Lights**  
UL 508, 1604

IEC 60947-1, 60947-5-1

**30mm Hazardous Location Pilot Devices**

UL 508, 698, 1604 & 2279

CSA C22.2 No. 0, 14, 25, 30M, 157 & 213  
IEC 60947-1, 60947-5-1

**22mm IEC Pilot Devices**

UL 508  
CSA C22.2 No. 14  
IEC 60947-1, 60947-5-1

**22mm IEC Multi-Voltage Light Modules**

UL 508  
IEC 60947-1, 60947-5-1

**22mm NEMA Pilot Devices**

UL 508  
CSA C22.2 No. 14  
IEC 60947-1, 60947-5-1

**16mm Indicating Lights**

UL 508  
CSA C22.2 No. 14  
IEC 60947-1, 60947-5-1

**16mm Multi-Voltage Pilot Lights**

UL 508  
IEC 60947-1, 60947-5-1

**13mm Pilot Lights**

UL 508  
CSA C22.2 No. 14  
IEC 60947-1, 60947-5-1

## Certifications:

UL File #: E68568 (Guide NKCR, NKCR7);  
E157436 (Guide NOIV)

CSA File #: LR47446

CE Marked (per EU Low Voltage Directive  
2006/95/EC and RoHS Directive  
2011/65/EU)



UL File #: E68568 (Guide NKCR, NKCR7);  
E157436 (Guide NOIV)

CE Marked (per EU Low Voltage Directive  
2006/95/EC and RoHS Directive  
2011/65/EU)



UL File #: E157436 (Guide NOIV, NOIV2,  
NOIV7), E68568 (Guide NKCR, NKCR7)

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2011/65/EU)



UL File #: E68568 (Guide NKCR, NKCR7)

CSA File #: 47446-9

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2011/65/EU)



UL File #: E68568 (Guide NKCR, NKCR7)

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2011/65/EU)



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Visit [www.c3controls.com](http://www.c3controls.com) to download product certifications.

## DIMENSIONS

Visit [www.c3controls.com](http://www.c3controls.com) to download dimension drawings.



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