16MM PILOT LIGHTS

When you need a space-saving pilot light with plenty of special features and flexibility, look to c3controls. Our 16mm pilot lights feature Lexan[™] lenses in a variety of colors, and are built to handle even the harshest of environments. Our 100,000-hour LED lamps with leakage protection provide bright light output with superior visibility. And we've increased the range of our Multi-Voltage LED light unit to operate at any voltage from 20V to 277V AC or DC!



Indicating Lights	385
Multi-Voltage Pilot Lights	387
Legend Plates	389
Accessories	391
Specifications	393
Dimensions	394

PROVEN



Conformity to Standards: INDICATING LIGHTS

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

MULTI-VOLTAGE PILOT LIGHTS UL 508 IEC 60947-1, 60947-5-1

Certifications:

UL File #: E68568 (Guide NKCR, NKCR7)

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

UL File #: E68568 (Guide NKCR, NKCR7)

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

NOTE: The scope (range, description, price, specifications, dimensions, etc.) of the product featured in this section is subject to change without notice. Refer to www.c3controls.com for product updates.



16MM PILOT LIGHTS

Within our extensive product portfolio is our line of 16mm Pilot Lights, just one example of our superior product quality. Each product is designed and manufactured to meet the needs of the machine builder. Check out all the features of our Series 16 below!

COMPACT LIGHTS SAVE YOU VALUABLE SPACE WHERE YOU NEED IT MOST

√ Proven	Our 16mm operators are UL Listed, CSA Certified and CE marked meeting global standards requirements.	
✓ Quick and Simple	Front panel mounting for simple installation and lamp replacement.	
✓ Environmentally Secure	With 4/4X and IP65 ratings, our 16mm line of pilot lights are built to last and withstand dust, corrosion, ice, and rain.	
✓ Long Lasting	Our reflection technology and state-of-the-art LED lamps improve visibility from all angles, and c3controls LED lamps last 100,000 hours—that's 11.4 years!	
🗸 Light Units Run Cool	With premium engineered thermoplastics the light units run cool while providing extreme light intensity versus competitor units that run hot and produce high heat.	
✓ Heavy Duty	Polyester construction provides superior durability, corrosion resistance, moisture rejection and electrical insulation, and encases the resistors to keep heat away from the wires.	
✓ Simple Customization	Various lens color options are available for appropriate operator interface.	
✓ Visible Certifications	Our product certifications and electrical ratings are clearly marked on the outside of the operator for easy reference during installation.	
✓ Enhanced Safety	Our field-installable IP20 terminal guards are transparent to maintain terminal visibility and they snap securely in place without the use of tools.	
✓ Stability	All 16mm lights use a miniature bayonet base to provide reliable security for the lamps.	
✓ Limited Lifetime Warranty*	Every product is backed by our limited lifetime warranty—unmatched in the industry— bringing you quality components that perform in the most demanding applications.	
✓ Guaranteed Same-Day Shipping*	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.	
✓ Advantage Pricing	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.	

*See c3controls Terms & Conditions

By utilizing a c3controls pilot light that works in 20V-277V AC and DC terminals, we're able to streamline our inventory requirements because we only need one product for any application.

Mike Hughes, President • Packaged Refrigeration Systems









Indicating Pilot Light



Multi-Voltage Pilot Light

UNIQUE PRODUCT LINE FEATURES









Simply pick the code number from each of the sections below and combine them to build your part number.

Indicating Lights



Example: To build one of our most popular Pilot Lights, the part number would be I + II + MPLL + IV + V or MFVL120LG-MPLLGN

I. LIGHT	MODULE TYPE	& VOLTAGE
CODE	DESCRIPTION	LIST
F	ULL VOLTAGE (SHORT (CASE)
MFVL12	12V AC/DC	\$46.00
MFVL24	24V AC/DC	\$46.00
MFVL120	120V AC/DC	\$46.00
RESISTOR (CASE SIZE VARIES)		
MRL120*	120V AC/DC	\$50.00
MRL125D*	125V AC/DC	\$50.00
MRL240	240V AC/DC	\$50.00
*NOTE: MRL120 & MRL125D have grey housings.		

	II. LED LAMP	COLOR
CODE	COLOR	LIST
LA	Amber	\$18.00
LB	Blue	\$18.00
LG	Green	\$18.00
LR	Red	\$18.00
LW	White	\$18.00
NL	No Lamp	-\$ 1.80

III. LENS TYPE		
CODE	DESCRIPTION LIST	
MPLL	Miniature Pilot Light Lens	\$ 6.00
	IV. LENS COLOR	
CODE	COLOR	
AR	Amber	
BE	Blue	
CR	Clear	
GN	Green	
RD	Red	
WE	White	

V. OPTIONS		
CODE	DESCRIPTION	LIST
(Blank)	None	_
IP20	IP20 Guard	\$ 4.00
-		

SEE PAGE 392 FOR LAMP REPLACEMENT CHART AND PAGE 393 FOR LAMP TECHNICAL DATA.

DISCOUNT SCHEDULE

AVAILABLE LENS COLORS FOR INDICATING PILOT LIGHTS



16MM INDICATING LIGHTS

Our 16mm Indicating Lights feature polyester construction for superior corrosion resistance, moisture rejection and electrical insulation. All units are supplied with #6 terminal screws with self-lifting captive wire clamps to accommodate #22 through two #12 AWG wires (0.5 - 4mm²) per terminal. Nickel plated clamp rings are ideal for corrosive environments. All units mount in a round 5/8" (16mm) hole and are directly interchangeable with competitor units. Units are available in different case depths for easy installation in your control panel – whatever the dimensions. All c3controls 16mm operators are UL Listed and are rated Type 4/4X as standard for watertight and corrosion resistance. In addition, light units are also listed for Type 1, 2, 3, 3R, 12, 13 and IP65.

Product features include:

• All lights use miniature bayonet base lamps to provide reliable lamp secureness.

UNIQUE PRODUCT FEATURES

- Thin, compact, insulating polyester housing provides added protection for those tight fitting spaces.
 - **2.** Premium engineered thermoplastics keep the light units running cool while providing extreme light intensity versus competitor units that run hot and produce high heat.
 - **3.** Heavy-duty brass current carrying components for improved conductivity and corrosion resistance.
- **4.** High-tech LED lamps offer the latest and most current technology providing leakage protection, great light output and increased visibility for side views *and lasts up to 100,000 hours!*
- **5.** Front of panel lamp change without removing device from panel.
- Our rugged Lexan[™] lenses can resist high impact for reliable performance in most environments – even in high ambient temperatures.

7. Enhanced safety with field installable IP20 terminal guards are transparent

Some of Our Popular Configurations:

16MM INDICATING LIGHTS	
DESCRIPTION	LIST
120V Resistor w/Red LED and Red Lens	\$74.00
120V Resistor w/Amber LED and Amber Lens	\$74.00
120V Full Voltage w/Green LED and Green Lens	\$70.00
	DESCRIPTION 120V Resistor w/Red LED and Red Lens 120V Resistor w/Amber LED and Amber Lens

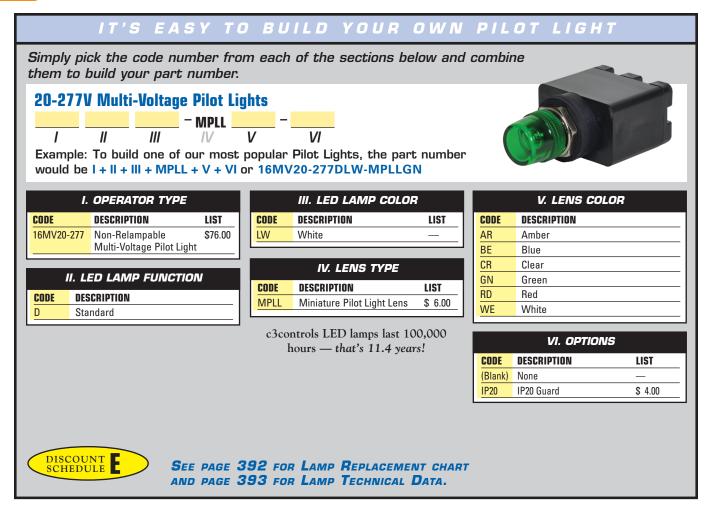
to maintain terminal visibility. Their construction provides easy access to the device terminals – making wiring fast and convenient, and they snap securely in place without the use of tools.

For convenient terminal marking our IP20 terminal guards utilize Series WTB2 markers (see page 461), simplifying wiring and troubleshooting.









Some of Our Popular Configurations:

	16MM MULTI-VOLTAGE PILOT LIGHTS	
PART NUMBER	DESCRIPTION	LIST
16MV20-277DLW-MPLLAR	Multi-Voltage 20-277V, Non-Relampable w/ White LED and Amber Lens	\$82.00
16MV20-277DLW-MPLLGN	Multi-Voltage 20-277V, Non-Relampable w/ White LED and Green Lens	\$82.00
16MV20-277DLW-MPLLRD	Multi-Voltage 20-277V, Non-Relampable w/ White LED and Red Lens	\$82.00

AVAILABLE LENS COLORS FOR MULTI-VOLTAGE PILOT LIGHTS





GMM **P**ILOT **L**IGHTS

16MM MULTI-VOLTAGE PILOT LIGHTS

Our 16mm Multi-Voltage Pilot Lights feature polyester construction for superior corrosion resistance, moisture rejection and electrical insulation. All units are supplied with #6 terminal screws with self-lifting captive wire clamps to accommodate #22 through two #12 AWG wires (0.5 - 4mm²) per terminal. Nickel plated clamp rings are ideal for corrosive environments. All units mount in a round 5/8" (16mm) hole and are directly interchangeable with competitor units. The compact size means you can put more into a smaller panel, lowering your cost while boosting the functionality of your machine.

Product features include:

- UL Listed Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65 ratings for the most demanding applications—including wash-downs and corrosive environments.
- Heavy-duty brass current carrying components for improved conductivity and corrosion resistance.
- Bi-polar design means functionality is independent of which lead is connected to each terminal.
- Rugged Lexan[™] lenses resist high impact for reliable perfomance in most environments—even in high ambient temperatures.
- Superior performance even in applications with shock and vibration.
- Enhanced safety with field installable IP20 terminal guards are transparent to maintain terminal visibility. Their construction provides easy access to the device terminals—making wiring fast and convenient, and they snap securely in place without the use of tools.

For convenient terminal marking our IP20 guards utilize Series WTB2 markers (see page 461), simplifying wiring and troubleshooting.

UNIQUE PRODUCT FEATURES

Eliminate the Headache of Multiple Lights to Match Multiple Voltages!

Our state-of-the-art, super bright LEDs and printed circuit boards allow you to operate this light at any voltage from 20V to 277V AC or DC without losing light intensity or consuming a lot of power. One light unit covers a lot of applications, reducing your inventory! All you have to do is choose your lens color.

- Wider operating voltage range of 20V-277V AC or DC.
- Depth behind the panel at 1-23/32" (43.6mm).
- Integrated light circuit protection. We included a fusible link in the electronic circuit, resulting in predictable failure mode (open circuit) and improving reliability.
- A redesigned circuit allows you to use the light unit in a wider range of applications, including electronic and coil applications where leakage current and voltages may exist.



Exclusive!





IT'S EASY TO BUILD YOUR OWN LEGEND PLATE

All legend plates are a 2-ply laminated

(BLANK)

AUT0

CLOSE MOTOR RUN

OFF

ON

OPEN

RESET

RUN

TEST

TRIP

OVERLOAD

POWER OFF POWER ON

Simply pick the code number from each of the sections below and combine them to build your part number.

00

02

26

12 13

14

27

15

16 18

20

24

29

Legend Plates



I. LEGEND PLATE TYPE		
CODE	DESCRIPTION	LIST
MLLP	Standard 2"h x 2"w	\$ 5.80
MLLPH	Horizontal 1"h x 2"w	\$ 5.80
MLLPV	Vertical 2"h x 1"w	\$ 5.80
Legend plates feature 4 lines of text with approximately 7 characters per line.		

II. FACE AND LETTER COLOR

CODE	FACE COLOR	LETTER COLOR
AL	Aluminum	Black
(Blank)	Black	White
BE	Blue	White
GN	Green	White
RD	Red	White
WE	White	Black
YW	Yellow	Black

qualit	c, laser engraved for a permanent and y appearance. Uppercase is standard s specified.
	. LEGEND DESIGNATION
CODE	DESCRIPTION

	IV. ADHESIVE BACK
CODE	DESCRIPTION
(Blank)	No Adhesive Back
A	Adhesive Back

POWER

MOT

Not finding what you need in a standard plate?

We offer Special and Custom Engraving up to 12" x 24" (304.8mm x 609.6mm). Consult factory or see page 390 for details.

While our standard legend plates are available for same day shipping, our special and custom legend plates are not.





VACUUM

RESET

T'S EASY TO BUILD YOUR OWN LEGEND PLATE

Simply pick the code number from each of the sections below and combine them to build your part number.

Special Legend Plates



I.	LEGEND PLATE TY	PE
CODE	DESCRIPTION	LIST
MLLP	Standard 2"h x 2"w	\$ 5.80
MLLPH	Horizontal 1"h x 2"w	\$ 5.80
MLLPV	Vertical 2"h x 1"w	\$ 5.80
	es feature 4 lines of text with ely 7 characters per line.	

CODE	FACE COLOR	LETTER COLOR
AL	Aluminum	Black
(Blank)	Black	White
BE	Blue	White
GN	Green	White
RD	Red	White
WE	White	Black
YW	Yellow	Black

All legend plates are a 2-ply laminated plastic, laser engraved for a permanent and quality appearance. Uppercase is standard unless specified.

	. LEGEND DESIGI	VATION
CODE	DESCRIPTION	LIST
SP	Special Legend	\$14.00
	.00 each when ordering 3 or n act legend plate.	nore of the

	IV. ADHESIVE BACK
CODE	DESCRIPTION
(Blank)	No Adhesive Back
A	Adhesive Back

Upon receipt of your order, legend plates will be set-up as specified and a proof will be sent to you prior to production to ensure accuracy.

FAILUR

To order, submit your drawing to:

c3controls	
Attn: Custo	mer First
PO Box 496	5
Beaver, PA	15009

Fax: 724.775.5283

Mail:

Email: legendplates@c3controls.com

To help simplify your order process, templates are available by calling our factory at 724.775.7926 or reference one of the drawings shown on page 394.

Special legend plates are not available for same day shipping.



(Sample custom plate)

CUSTOM LEGEND PLATES

- Add your Corporate Logo! Send us your corporate logo electronically to promote your company image in a clean professional legend plate.
- Available in 2-ply 12" x 24" (304.8mm x 609.6mm) sheets of laminated plastic for custom laser engraving.
- To order, specify part number MLLP-CP (no adhesive back) or MLLP-CP-A (adhesive back).
- Initial Set-Up Fee Per Legend Plate: \$50/hour (minimum fee \$50.00).
- \$2.00/Square Inch (minimum \$18.00).
- Design services available. Consult factory for details and hourly rate.
- Custom legend plates are not available for same-day shipping.

To order, submit your drawing to: Mail: c3controls Attn: Customer First PO Box 496 Beaver, PA 15009 Fax: 724.775.5283 Email: legendplates@c3controls.com



LED REPLACEMENT LAMPS

c3controls miniature bayonet base lamps come in a variety of voltage and color options for direct interchangeability to help in choosing the best lamp for your installation. Refer to the chart below to determine the appropriate replacement lamp based on your operator voltage. For lamp technical data, see page 393.

LED Lamps LED / // To order LED Lamps, the p	art number wo	ould be LED	+ +		
I. LAMP TYPE			II. VOLTAGE		III. LAMP COLOR
CODE DESCRIPTION	LIST	CODE	DESCRIPTION	CODE	COLOR
LED LED Lamp	\$28.00	12	12V	AR	Amber
		24	24V	BE	Blue
Our LED lamps feature built-in leakage p	otection.	130	130V	GN	Green
				RD	Red
				WE	White
					DISCOUNT

OPERATOR CODE	OPERATOR VOLTAGE	LED (ALL COLORS)	INCANDESCENT	NEON
MFVL12	Full Voltage 12V AC/DC	LED12	FVB12	—
MFVL24	Full Voltage 24V AC/DC	LED24	FVB24	—
MFVL120	Full Voltage 120V AC/DC	LED130	FVB120	FVB120NG or FVB120NR
MRL120L	Resistor 120V AC/DC*	LED24		
MRL125DL	Resistor 125V DC*	LED24		
MRL240L	Resistor 240V AC/DC*	LED24		
MRTL6	Dual Input 6V AC/DC	LED6	FVB6	
MRTL12	Dual Input 12V AC/DC	LED12	FVB12	
MRTL24	Dual Input 24V AC/DC	LED24	FVB24	
MRTL120	Dual Input 120V AC/DC	LED130	FVB55	





CODE	DESCRIPTION	LIST
16CRW	16mm Clamp Ring Wrench	\$16.00

P20 TERMINAL GUARD

Our IP20 terminal guard protects against accidental contact with live parts and can be ordered separately as an accessory or factory installed providing the convenience of a single catalog number. NOTE: For factory installed guards, refer to the operator page to determine the appropriate part number. For convenient terminal marking our IP20 terminal guards utilize Series WTB2 markers (see page 461), simplifying wiring and troubleshooting.

	CODE	FOR USE WITH	L
ĺ	MLIP20	All 16mm Light Modules	\$
l			

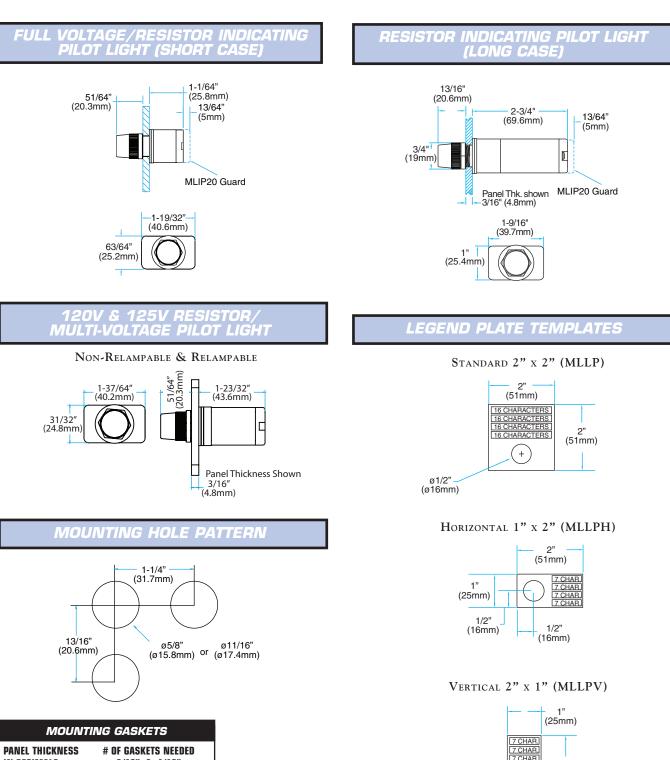


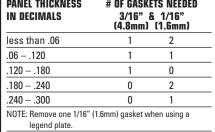
ST 4.00



Specifications:

				101	1M PILOT I	LIGH1	rs			
ECTRICAL RATINGS										
Lamp	Industry Number	Rated Vo	olts	Lumens (MSCD)	Design Life (l	(Hrs.)	Current Draw (mA)	Lamp Type	Shock & Vibration	Leakage Protection
LED12		12V†		Varies w/ Color			<20			4 mA
LED24	**	24V†		2000 mcd	100,000		<20	LED*	Excellent	4 mA
LED130		120/130	IV†	Typical			<10			2 mA
MULTI-VOLTAGE P	OWER CONSU	MPTION & CU	URRENT DI	RAW					•	·
S	ystem Voltage		AC	Current Draw (mA)	DC	Current Draw	(mA)	Power Consum	ption (W)
	24V			21			20			
	48V			17			7			
	120V			3.5			_			
	125V			—			3		AC: <1 [DC: <1/2
	240V			2.5						
	250V						2			
	277V			2.5			_			
PROTECTION FEAT Fused to Fa						Ye				
* Specify Lamp co						Te	15			
			Shorlean	lly available off the	e open market					
† LED voltage tol				ny avaliable on the	e open market					
† LED voltage tole DIELECTRIC STREN (TERMINAL TO GRO	erance is +/- 1	0%			e open market		2200V for	1 Minute		
DIELECTRIC STREN	erance is +/- 1 NGTH OUND)	0%			open market		2200V for	1 Minute		
DIELECTRIC STREN (TERMINAL TO GRI	erance is +/- 1 NGTH OUND)	0%			·	ed for us		1 Minute 3, 3R, 4/4X, 12 & 1	3, and IP65	
DIELECTRIC STREN (TERMINAL TO GRI NVIRONMENTAL RATIN	erance is +/- 1 NGTH OUND) IGS	0%	TS		·	ed for us		3, 3R, 4/4X, 12 & 1	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators	NGTH OUND) IGS rature	0% UNI	TS C		·	ed for us	se in Type 1, 2,	3, 3R, 4/4X, 12 & 1 / -40 to +55	3, and IP65	
DIELECTRIC STREN (TERMINAL TO GRI VVIRONMENTAL RATIN Operators Operating Temper Storage Temperat	vGTH OUND) IGS rature ture	0% UNI °F/°	TS C		·	ed for us	se in Type 1, 2, -40 to +131	3, 3R, 4/4X, 12 & 1 / -40 to +55	3, and IP65	
DIELECTRIC STREN (TERMINAL TO GRI VVIRONMENTAL RATIN Operators Operating Temper Storage Temperat	vGTH OUND) IGS rature ture	0% UNI °F/°	TS C		·	ed for us	se in Type 1, 2, -40 to +131	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CO	erance is +/- 1 NGTH OUND) IGS rature ture ONSIDERATION	0% UNI °F/°	TS		·	ed for us	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CO AWG Conductor Solid Strand Cond Fine Strand Cond	erance is +/- 1 NGTH OUND) IGS rature ture ONSIDERATION Iuctor† uctor†	0% UNI °F/° °F/° 1 u mm mm	TS		·	ed for us	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CO AWG Conductor Solid Strand Cond	erance is +/- 1 NGTH OUND) IGS rature ture ONSIDERATION Iuctor† uctor†	0% UNI °F/° °F/° J Mm Mm Lb-ii	TS		·	ed for us	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 7 -	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI Operators Operating Temper Storage Temperat ERMINAL & WIRING CO AWG Conductor Solid Strand Cond Fine Strand Cond Recommended To	erance is +/- 1 NGTH OUND) IGS rature ture ONSIDERATION Juctor† uctor† uctor† urque	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS		·	ed for us	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Cond Fine Strand Cond Recommended To One or Two wires perm	erance is +/- 1 NGTH OUND) IGS rature ture ONSIDERATION Juctor† uctor† uctor† urque	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS		·	ed for us	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 7 -	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10	3, and IP65	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Cond Fine Strand Cond Recommended To One or Two wires perm IATERIALS	erance is +/- 1 VGTH OUND) IGS rature ture UnSIDERATION Uctor1 uctor1 rque nitted per term	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	Ra	ted and Certifie		se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 7 - 0.8 -	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 4 - 10 1.0		
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Cond Fine Strand Cond Recommended To One or Two wires perm INTERIALS Operator Housing:	erance is +/- 1 VGTH OUND) IGS rature ture UnSIDERATION Uctor1 uctor1 rque nitted per term	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	Ra	ted and Certifie	blyester	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 - and Polyester	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10 1.0 Blends (UV Stabi	lized for outdoor use)	
DIELECTRIC STREM (TERMINAL TO GRI Operators Operating Temper Storage Temperat ERMINAL & WIRING CI AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm IATERIALS Operator Housing: Structural Parts	erance is +/- 1 VGTH OUND) IGS rature ONSIDERATION Uuctor1 uuctor1 rque nitted per term s	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien ted and Certifien nermoplastic Po nermoplastic Po	blyester	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 and Polyester and Polyester	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10 1.0 Blends (UV Stabi Blends (UV Stabi	lized for outdoor use)	
DIELECTRIC STREM (TERMINAL TO GRI Operators Operating Temper Storage Temperat ERMINAL & WIRING CI AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm INTERIALS Operator Housing: Structural Parts Terminal Supports	erance is +/- 1 VGTH OUND) IGS rature ONSIDERATION Uuctor1 uuctor1 rque nitted per term s	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien termoplastic Po nermoplastic Po nermoplastic Po	olyester olyester	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 and Polyester and Polyester and Polyester	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10 1.0 Blends (UV Stabi Blends (UV Stabi Blends (UV Stabi	lized for outdoor use) lized for outdoor use) lized for outdoor use)	
DIELECTRIC STREN (TERMINAL TO GRI VVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm IATERIALS Operator Housing: Structural Parts Terminal Supports Pilot Light Lens	erance is +/- 1 VGTH OUND) IGS rature ONSIDERATION Uuctor1 uuctor1 rque nitted per term s	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien termoplastic Po nermoplastic Po nermoplastic Po	olyester olyester	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 0.8 - 0.8 - and Polyester and Polyester and Polyester and Polyester (I	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10 1.0 Blends (UV Stabi Blends (UV Stabi Blends (UV Stabi JV Stabilized for o	lized for outdoor use) lized for outdoor use) lized for outdoor use)	
DIELECTRIC STREN (TERMINAL TO GRI VVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm ATERIALS Operator Housing: Structural Parts Terminal Supports Pilot Light Lens Seals	erance is +/- 1 VGTH OUND) IGS rature ture ONSIDERATION Uuctor1 uuctor1 initted per term is s	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien termoplastic Po nermoplastic Po nermoplastic Po	olyester olyester olyester olyester olyester opact Po	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 and Polyester and Polyester and Polyester and Polyester lycarbonate (L Neoprene	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 opper Only) ~ 4 ~ 4 ~ 10 1.0 Blends (UV Stabi Blends (UV Stabi Blends (UV Stabi Blends (UV Stabi JV Stabilized for o Gaskets	lized for outdoor use) lized for outdoor use) lized for outdoor use)	
DIELECTRIC STREN (TERMINAL TO GRI VVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm INTERIALS Operator Housing: Structural Parts Terminal Supports Pilot Light Lens Seals Front Mounting Nu	erance is +/- 1 VGTH OUND) IGS rature ture ONSIDERATION Uctor1 uctor1 uctor1 intted per term s s s ut/Clamp Ring	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien termoplastic Po nermoplastic Po nermoplastic Po	olyester olyester olyester olyester npact Po	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 and Polyester and Polyester and Polyester and Polyester star Polyester and Polyester Brass (Plated	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 	lized for outdoor use) lized for outdoor use) lized for outdoor use)	
DIELECTRIC STREM (TERMINAL TO GRI NVIRONMENTAL RATIN Operators Operating Temper Storage Temperat ERMINAL & WIRING CC AWG Conductor Solid Strand Condu Fine Strand Condu Recommended To One or Two wires perm INTERIALS Operator Housing: Structural Parts Terminal Supports Pilot Light Lens Seals	erance is +/- 1 VGTH OUND) IGS rature ture ONSIDERATION Uctor1 uctor1 uctor1 intted per term s s s ut/Clamp Ring	0% UNI °F/° °F/°I I Mm Lb-iu Nm	TS	- Ra 	ted and Certifien termoplastic Po nermoplastic Po nermoplastic Po	olyester olyester olyester olyester olyester E E E	se in Type 1, 2, -40 to +131 -40 to +185 22-12 CU (C .5 .5 .5 .7 .0.8 - 0.8 and Polyester and Polyester and Polyester and Polyester lycarbonate (L Neoprene Brass (Plated Brass (Plated	3, 3R, 4/4X, 12 & 1 / -40 to +55 / -40 to +85 	lized for outdoor use) lized for outdoor use) lized for outdoor use)	





• Mounting Hole in Panel - 5/8" (16mm). • Fully-assembled operators come standard with one 3/16" (4.8mm) and two 1/16" (1.6mm) gaskets.

7 CHAR. 7 CHAR. 2" 7 CHAR. (51mm)

1/2"

(16mm)

1/2"

(16mm)



EVERYTHING UNDER CONTROL.

THIS IS WHAT YOU EXPECT, AND IT'S WHAT WE DELIVER.

Competitive pricing, superior quality, and immediate availability.

Quality products that perform to the highest standards, supported by an unmatched lifetime warranty.

Direct-from-the-manufacturer pricing that eliminates the middleman, guaranteed same-day shipping, and an unwavering commitment to your satisfaction—it's an unbeatable combination.

www.c3controls.com



