

CONTROL STATION ENCLOSURES



We offer an impressive line of enclosures in three different constructions: polyester, polycarbonate, and die-cast aluminum. We also offer custom control stations that can be configured and assembled to meet your particular needs.

Section 21

Polyester	4
Polycarbonate	6
Die Cast Aluminum	9
Custom Control Stations	11



PROVEN



Conformity to Standards:

UL 50
CSA C22.2 No. 94
IEC 60529

Certifications:

UL File #: E470986
CSA Certified
CE Marked (per EU Low Voltage Directive 2014/35/EC and
RoHS Directive 2011/65/EU)

Visit c3controls.com to download product certifications.

CONTROL STATION ENCLOSURES

All our products are fully certified, rated, and backed by our 36-month warranty to meet the needs of the machine builder, and our Series EC Control Station Enclosures are no exception. Check out the incredible features in the chart below!

DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

✓ Proven	Our enclosures meet UL, CSA and IEC standards requirements. 
✓ Durable Construction	Available in polyester, polycarbonate, and die-cast aluminum in a variety of ranges.
✓ Standard Control Stations	Our most popular control stations are available as standard in five sizes and up to three units—guaranteed for same-day shipping.
✓ Custom Control Stations	Specify your needs, and c3controls will configure, assemble and ship it as a single unit.
✓ Flexibility	We offer the flexibility of standard assembled control stations with 30mm and 22mm pilot devices as well as enclosed motor control assemblies, enclosed disconnect switches and enclosed motor protection circuit breakers. You can also order an enclosure with up to four holes you'll assemble yourself.
✓ Easy to Install	Fully assembled and ready to use out of the box.
✓ General Use	We've designed our polyester control stations for common electrical and electronic applications.
✓ Modular Design	Our 30mm and 22mm pilot devices' interchangeable modular design provides endless options for operator interface—reducing inventory.
✓ Environmentally Secure	A variety of seals keep dust and moisture out of our enclosures.
✓ 36-Month Warranty*	Every product is backed by our 36-Month Warranty—giving you confidence in the quality, reliability, and performance of components designed for the most demanding applications.
✓ Guaranteed Availability*	Any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day. NOTE: Custom Control Stations and Enclosed Motor Control assemblies are not available for guaranteed same-day shipping.
✓ 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

“c3controls offers a point of differentiation providing desirable and reliable products that meet a price point affording us a competitive advantage to stay ahead of the game.

Scott Morasch, President • **Isaacs & Associates, Inc.**

”

Polyester



Polycarbonate



Die-Cast Aluminum



UNIQUE PRODUCT LINE FEATURES

ENCLOSURES



Available in polyester, polycarbonate, and die cast aluminum—all with durable construction and guaranteed for same-day shipping.

STANDARD CONTROL STATIONS



One unit Emergency Stop red mushroom push button and two unit red and green push button control stations are available for guaranteed same-day shipping.

CUSTOM CONTROL STATIONS



Configure custom control stations in a variety of sizes and materials and we'll assemble it for you. Call for details. Note: Not available for guaranteed same-day shipping.

**FIND IT
FAST**

Control Station Enclosures



- Certifications
- Specifications
- Dimension Drawings
- Installation Instructions
- Easy to Buy

c3controls.com

POLYESTER ENCLOSURES AND CONTROL STATIONS



NOTE: Design subject to change without notice.
Consult factory for current list price and dimensions.

DISCOUNT
SCHEDULE **H**

CONSTRUCTION

- Available for 30mm and 22mm pilot devices.
- Solid fiberglass reinforced polyester construction, lightweight with high impact resistance.
- Non-conductive double insulated material.
- Formed-In-Place (FIP) continuous polyurethane gasket that provides a complete watertight, dust tight environmental seal.
- Recessed captive 316 Series stainless steel cover screws.
- Designed for general electrical and electronic applications and any application that has an associated environmental concern.
- Soft edge design reduces dust and other particle corrosion.
- Watertight, non corrosive, environmental design.
- UV and chemical resistant.
- Punched enclosures feature notched keyholes for both 30mm and 22mm styles.
- Standard color: RAL 7035
- Our standard enclosures featured on this page are available for guaranteed same-day shipping, our custom control stations and enclosed motor control assemblies are not.
- Available as fully-assembled control stations.

RATINGS / APPROVALS

- Type 1, 2, 3, 3R, 4X, 12, 13, and IP66
- RoHS Compliant

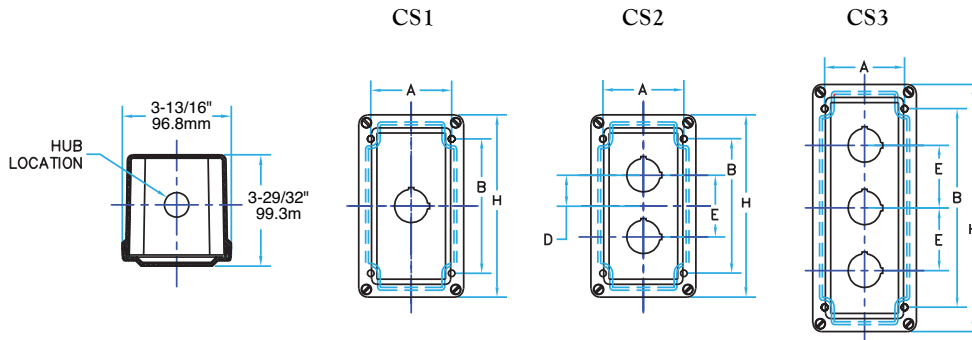
30MM POLYESTER ENCLOSURES AND CONTROL STATIONS

CODE	# OF UNITS	FRAME DIMENSIONS (H x W x D)	COLOR	LIST
CS1	1	6-5/8" x 3-13/16" x 3-29/32" (168mm x 96.8mm x 99.3mm)	RAL 7035	\$133.00
CS2	2	6-5/8" x 3-13/16" x 3-29/32" (168mm x 96.8mm x 99.3mm)	RAL 7035	\$137.00
CS3	3	8-7/8" x 3-13/16" x 3-29/32" (225.4mm x 96.8mm x 99.3mm)	RAL 7035	\$145.00

22MM POLYESTER ENCLOSURES AND CONTROL STATIONS

CODE	# OF UNITS	FRAME DIMENSIONS (H x W x D)	COLOR	LIST
22CS1	1	6-5/8" x 3-13/16" x 3-29/32" (168mm x 96.8mm x 99.3mm)	RAL 7035	\$133.00
22CS2	2	6-5/8" x 3-13/16" x 3-29/32" (168mm x 96.8mm x 99.3mm)	RAL 7035	\$137.00
22CS3	3	6-5/8" x 3-13/16" x 3-29/32" (168mm x 96.8mm x 99.3mm)	RAL 7035	\$145.00
22CS4	4	8-7/8" x 3-13/16" x 3-29/32" (225.4mm x 96.8mm x 99.3mm)	RAL 7035	\$165.00

NOTE: Mounting feet available, consult factory.

30MM POLYESTER ENCLOSURES AND CONTROL STATIONS

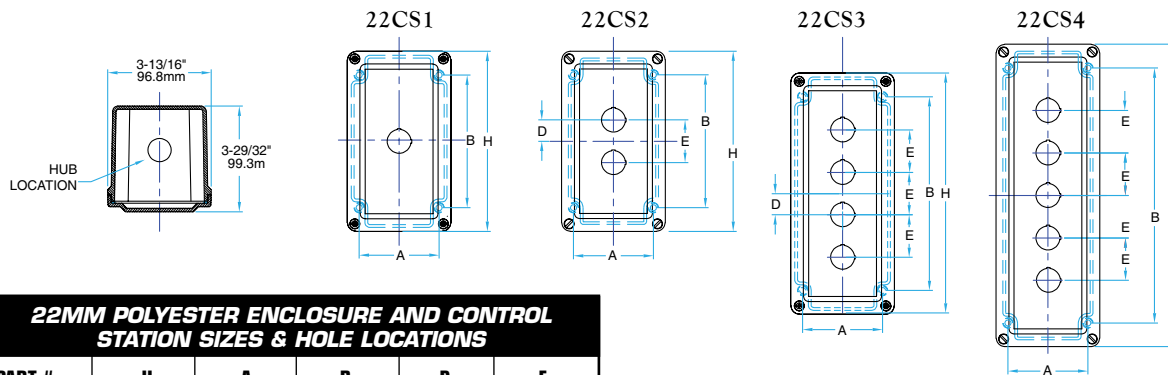
- Spacing designed to accompany standard, short and tall legend plates.
- All operator holes are 1-3/16" (30.16mm) diameter.
- See hub chart below for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- Polyester enclosure depth accommodates two 30mm contact blocks deep for a total of four circuits.
- When using a mechanical interlock, enclosure must be ordered with 2" (50.8mm) centers. Consult factory.

30MM POLYESTER HUB HOLE SIZE

CONDUIT SIZE	DRILL HOLE SIZE
1/2" (12.7mm)	7/8" (22.5mm)
3/4" (19.1mm)	1-1/16" (57.2mm)
1" (25.4mm)	1-5/16" (33.3mm)

30MM POLYESTER ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS

PART #	H	A	B	D	E
CS1	6-5/8" (168mm)	2-15/16" (74.6mm)	4-7/8" (123.8mm)	—	—
CS2	6-5/8" (168mm)	2-15/16" (74.6mm)	4-7/8" (123.8mm)	1-1/8" (28.5mm)	2-1/4" (57.2mm)
CS3	8-7/8" (225.4mm)	2-15/16" (74.6mm)	7-1/8" (181mm)	—	2-1/4" (57.2mm)

22MM POLYESTER ENCLOSURES AND CONTROL STATIONS**22MM POLYESTER ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS**

PART #	H	A	B	D	E
22CS1	6-5/8" (168mm)	2-15/16" (74.6mm)	4-7/8" (123.8mm)	—	—
22CS2	6-5/8" (168mm)	2-15/16" (74.6mm)	4-7/8" (123.8mm)	25/32" (19.8mm)	1-9/16" (39.6mm)
22CS3	6-5/8" (168mm)	2-15/16" (74.6mm)	4-7/8" (123.8mm)	—	1-9/16" (39.6mm)
22CS4	8-7/8" (225.5mm)	2-15/16" (74.6mm)	7-1/8" (181mm)	25/32" (19.8mm)	1-9/16" (39.6mm)

22MM POLYESTER HUB SIZE

See 30mm Polyester Hub Hole Size chart above for conduit and drill hole size.

- Spacing designed to accompany short legend plates. Consult the factory for standard, tall, jumbo and special legend plate options.
- All operator holes are 7/8" (22.5mm) diameter.
- See hub chart on left for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- Polyester enclosure depth accommodates three 22mm IEC contact blocks deep.
- When using a mechanical interlock (22mm NEMA only), enclosure must be ordered with 2" (50.8mm) centers. Consult factory.

POLYCARBONATE ENCLOSURES AND CONTROL STATIONS



DISCOUNT
SCHEDULE

H

NOTE: Design subject to change without notice. Consult factory for current list price and dimensions.



CONSTRUCTION

- Available for 30mm and 22mm pilot devices, and disconnect switches.
- Rugged polycarbonate construction, high quality and sealed.
- High temperature neoprene gasket.
- Highly efficient seal provides ingress protection against dust and moistures.
- For greater mechanical protection, the cover gasket is housed in a recess in the lid which mates up with a tongue.
- Standard quarter turn quick release lid fixings.
- Oil and corrosion resistant.
- Standard color: Light Grey

- Our standard enclosures featured on this page are available for guaranteed same-day shipping, our custom control stations and enclosed motor control assemblies are not.

RATINGS / APPROVALS

- Type 1, 4/4X, 12 and IP65
- IP65 protection for watertight and dust-tight construction
- Application Temperature Range: -40°C to 80°C (-40°F to 176°F)

**30MM POLYCARBONATE STANDARD ENCLOSURES
(NOT RECOMMENDED FOR H-LINE)**

CODE	# OF UNITS	LIST
PC1	1	\$ 76.00
PC2	2	\$ 80.00
PC3	3	\$104.00

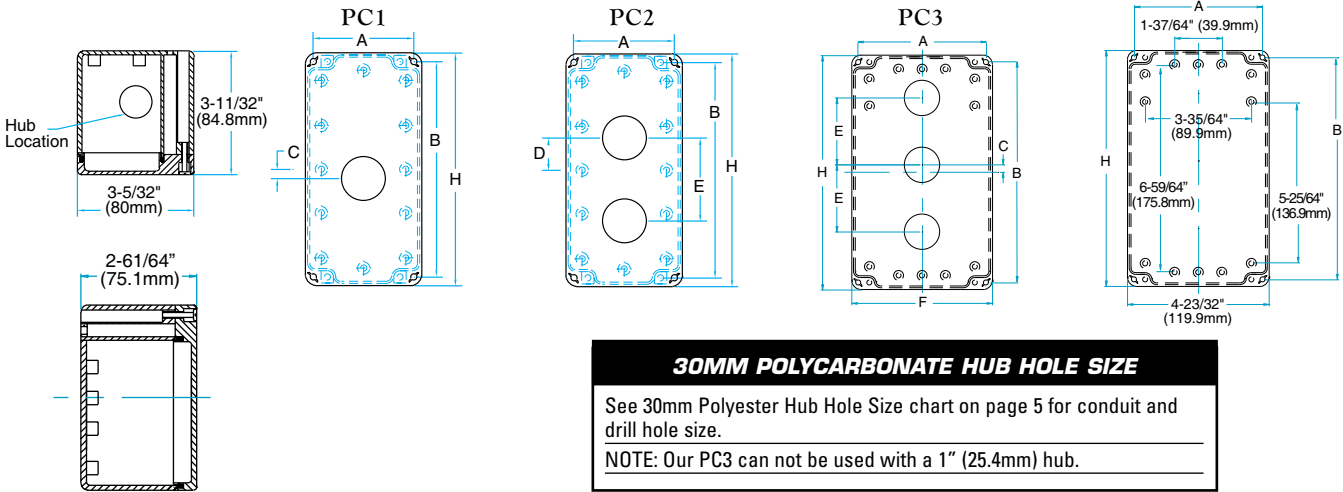
22MM POLYCARBONATE STANDARD ENCLOSURES

CODE	# OF UNITS	LIST
22PC1	1	\$ 76.00
22PC2	2	\$ 80.00
22PC3	3	\$104.00

DISCONNECTS POLYCARBONATE STANDARD ENCLOSURES

CODE	# OF UNITS	LIST
PCDSEN	Up to 3 Poles	\$ 64.00
PCDSEN45	Up to 5 Poles	\$104.00

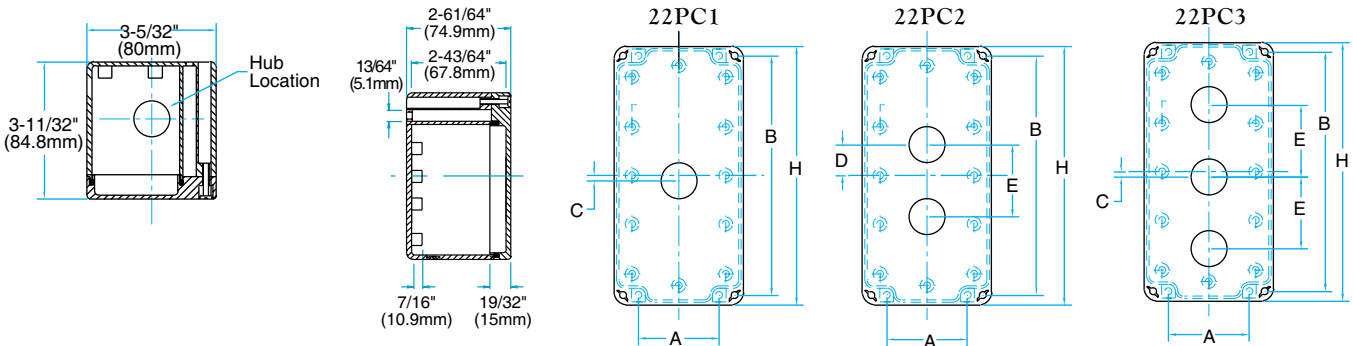
30MM POLYCARBONATE ENCLOSURES AND CONTROL STATIONS



- Spacing designed to accompany standard, short and tall legend plates.
- All operator holes are 1-3/16" (30.2mm) diameter.
- See hub chart for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- When using a mechanical interlock, enclosure must be ordered with 2" (50.8mm) centers. Consult factory.

30MM POLYCARBONATE ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS							
PART #	H	A	B	C	D	E	F
PC1	6-19/64" (160mm)	2-23/32" (69.1mm)	5-53/64" (148.1mm)	1/4" (6.4mm)	—	—	—
PC2	6-19/64" (160mm)	2-23/32" (69.1mm)	5-53/64" (148.1mm)	—	7/8" (22.2mm)	2-1/4" (57.2mm)	—
PC3	7-7/8" (200.2mm)	4-19/64" (109.2mm)	7-13/33" (188.2mm)	1/4" (6.4mm)	—	2-1/4" (57.2mm)	4-47/64" (120.1mm)

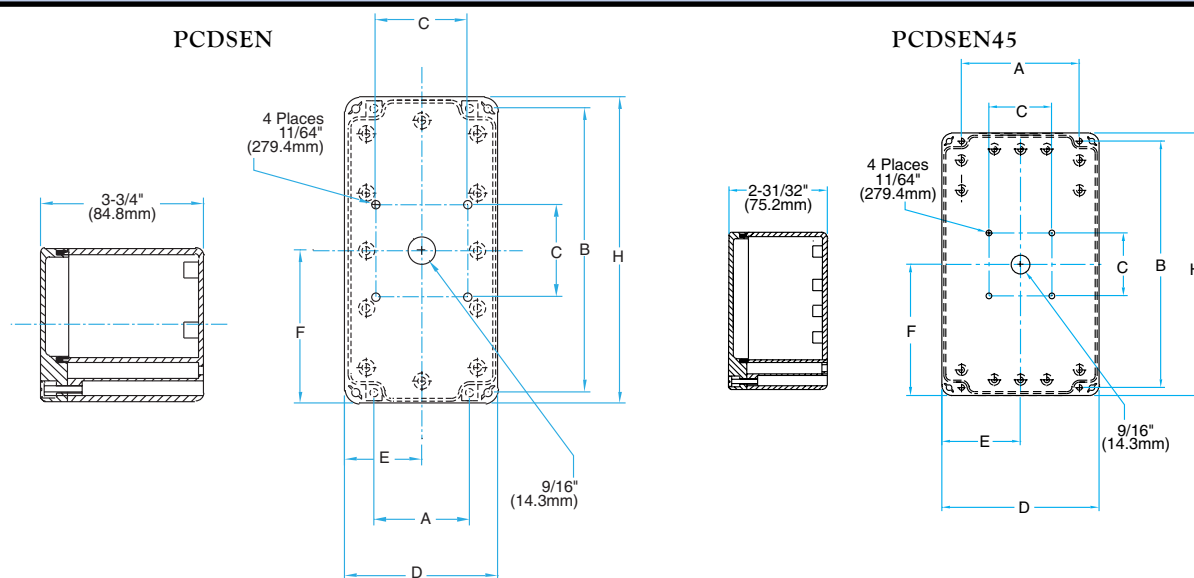
22MM POLYCARBONATE ENCLOSURES AND CONTROL STATIONS



- Spacing designed to accompany standard and short legend plates, consult the factory for tall, jumbo and special legend plate options.
- All operator holes are 7/8" (22.5mm) diameter.
- See hub chart for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- Polycarbonate enclosure depth accommodates one 22mm IEC contact block deep when using a 22mm IEC selector switch or two 22mm IEC contact blocks deep with all other 22mm IEC pilot devices. 22mm NEMA pilot devices may use up to three contact blocks deep.
- When using a NEMA mechanical interlock, enclosure must be ordered with 2" (50.8mm) centers. Consult factory.

22MM POLYCARBONATE ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS						
PART #	H	A	B	C	D	E
22PC1	6-19/64" (160mm)	1-31/32" (50mm)	5-53/64" (148.1mm)	1/8" (3.2mm)	—	—
22PC2	6-19/64" (160mm)	1-31/32" (50mm)	5-53/64" (148.1mm)	—	3/4" (19.1mm)	1-3/4" (44.4mm)
22PC3	6-19/64" (160mm)	1-31/32" (50mm)	5-53/64" (148.1mm)	1/8" (3.2mm)	—	1-3/4" (44.4mm)

DISCONNECT POLYCARBONATE ENCLOSURES AND CONTROL STATIONS



- See hub chart for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.

DISCONNECT POLYCARBONATE HUB HOLE SIZE

See 30mm Polyester Hub Hole Size chart on page 5 for conduit size and drill hole size.

NOTE: Our PCDSN45 cannot be used with a 1" (25.4mm) hub.

DISCONNECT POLYCARBONATE ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS

PART #	H	A	B	C	D	E	F
PCDSN	6-19/64" (160mm)	1-31/32" (50mm)	5-53/64" (148.1mm)	1-27/64" (36mm)	3-5/32" (80mm)	1-37/64" (40.1mm)	3-5/32" (80mm)
PCDSN45	7-7/8" (200.2mm)	3-35/64" (90.2mm)	7-13/32" (187.9mm)	1-27/64" (36mm)	4-47/64" (120.1mm)	2-23/64" (59.9mm)	3-15/16" (100.1mm)

DIE CAST ALUMINUM ENCLOSURES AND CONTROL STATIONSDISCOUNT
SCHEDULE**H**

NOTE: Design subject to change without notice. Consult factory for current list price and dimensions.

CONSTRUCTION

- Available for 30mm and 22mm pilot devices.
- Die cast aluminum alloy construction.
- High temperature neoprene gaskets are oil and petroleum resistant.
- Highly efficient seal provides ingress protection against dust and moistures.
- For greater mechanical protection, the cover gasket is housed in a recess in the lid which mates up with a tongue.
- Oil and corrosion resistant.
- Stainless steel captive lid retaining screws.
- Standard finish: Smooth powder coat Grey (RAL 7001).
- Our standard enclosures featured on this page are available for guaranteed same-day shipping, our custom control stations and enclosed motor control assemblies are not.

RATINGS / APPROVALS

- Type 1, 3R, 4, 12, IP66 and IP67
- IP66 protection with a working temperature within -40°C to +90°C (-40°F to 194°F)

30MM DIE CAST ALUMINUM STANDARD ENCLOSURES (NOT RECOMMENDED FOR H-LINE)

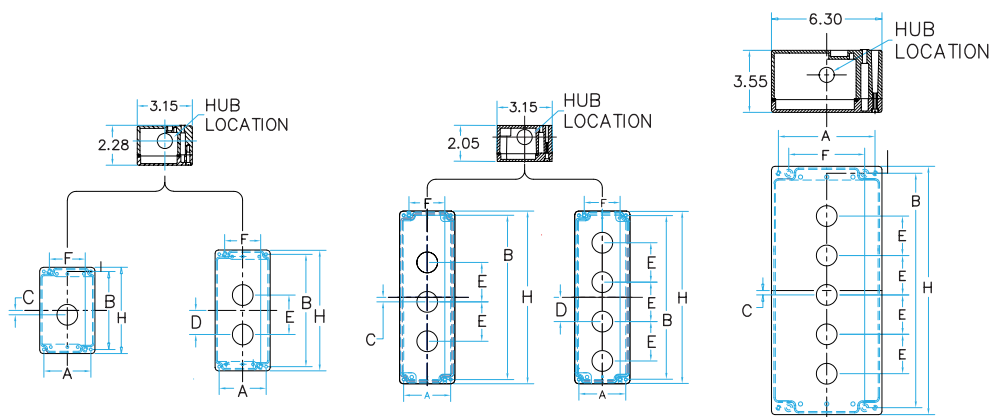
CODE	# OF UNITS	FRAME DIMENSIONS (H x W x D)	COLOR	LIST
DC1	1	4-59/64" x 3-5/32" x 2-9/32" (125mm x 80mm x 57.9mm)	Smooth Powder Coat Grey	\$130.00
DC2	2	6-7/8" x 3-5/32" x 2-9/32" (174.75mm x 80mm x 57.91mm)	Smooth Powder Coat Grey	\$150.00
DC3	3	9-13/16" x 3-5/32" x 2-3/64" (249.2mm x 80mm x 52mm)	Smooth Powder Coat Grey	\$190.00

22MM DIE CAST ALUMINUM STANDARD ENCLOSURES)

CODE	# OF UNITS	FRAME DIMENSIONS (H x W x D)	COLOR	LIST
22DC1	1	4-59/64" x 3-5/32" x 2-9/32" (125mm x 80mm x 57.9mm)	Smooth Powder Coat Grey	\$130.00
22DC2	2	4-59/64" x 3-5/32" x 2-9/32" (125mm x 80mm x 57.9mm)	Smooth Powder Coat Grey	\$150.00
22DC3	3	6-5/8" x 3-5/32" x 2-9/32" (168.4mm x 80mm x 57.9mm)	Smooth Powder Coat Grey	\$190.00

30MM DIE CAST ALUMINUM ENCLOSURES AND CONTROL STATIONS

- Spacing designed to accompany standard, short and tall legend plates.
- All operator holes are 1-3/16" (30.2mm) diameter.
- See hub chart below for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- Die cast enclosure depth accommodates one contact block.
- When using a mechanical interlock, enclosure must be ordered with 2" (50.8mm) centers. Consult factory.



30MM DIE CAST HUB HOLE SIZE

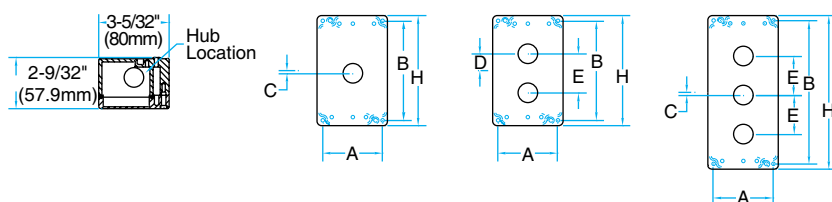
CONDUIT SIZE	DRILL HOLE SIZE
1/2" (12.7mm)	7/8" (22.5mm)

30MM DIE CAST ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS

PART #	H	A	B	C	D	E	F
DC1	4-59/64" (125mm)	2-11/16" (68.1mm)	4-29/64" (113mm)	1/4" (6.35mm)	—	—	2-3/64" (52mm)
DC2	6-7/8" (174.75mm)	2-11/16" (68.1mm)	6-13/32" (162.8mm)	—	1-3/8" (34.9mm)	2-1/4" (57.2mm)	2-3/64" (52mm)
DC3	9-13/16" (249.2mm)	2-11/16" (68.1mm)	9-11/32" (237mm)	1/4" (6.35mm)	—	2-1/4" (57.2mm)	2-3/64" (52mm)

22MM NEMA DIE CAST ALUMINUM ENCLOSURES AND CONTROL STATIONS

- Spacing designed to accompany standard and short legend plates, consult the factory for tall, jumbo and special legend plate options.
- All operator holes are 7/8" (22.5mm) diameter.
- See hub chart below for drilled hole sizes. All hub holes are centered on bottom face of custom enclosures unless otherwise specified.
- 3/4" (19.1mm) and 1" (25.4mm) hubs not available, consult factory for options.
- When using a mechanical interlock, enclosure must be ordered with 2" (50.8mm) centers. Consult factory.



22MM DIE CAST HUB HOLE SIZE

CONDUIT SIZE	DRILL HOLE SIZE
1/2" (12.7mm)	7/8" (22.5mm)

22MM DIE CAST ENCLOSURE AND CONTROL STATION SIZES & HOLE LOCATIONS

PART #	H	A	B	C	D	E
22DC1	4-59/64" (125mm)	2-11/16" (68.1mm)	4-29/64" (113mm)	1/8" (3.2mm)	—	—
22DC2	4-59/64" (125mm)	2-11/16" (68.1mm)	4-29/64" (113mm)	—	3/4" (19.1mm)	1-3/4" (44.5mm)
22DC3	6-5/8" (168.4mm)	2-11/16" (68.1mm)	6-13/32" (162.8mm)	1/8" (3.2mm)	—	1-3/4" (44.5mm)

CUSTOM CONTROL STATIONS

We'll configure and assemble enclosure stations in nearly any size and from a variety of materials to your specification. Ordering a custom enclosed control station is simple and offers advantages.

You'll order your custom job under a single catalog number and your control station will arrive already assembled which means a shorter bill of material on your end, saving you installation time and cost. And pre-assembly also makes your inventory easier to manage.

There is a \$4.00 assembly charge per pilot device unit.
Example: A two-unit station will have an assembly charge of \$8.00.

Custom control stations are not available for guaranteed same day shipping. Call us for pricing and an estimated date of delivery.

ADVANTAGES

- ✓ Single catalog number
- ✓ No assembly required
- ✓ Shorter panel bill of material
- ✓ Easier to manage inventory