EnviroArmour®
WATERPROOF ENCLOSURES

PRODUCT OVERVIEW

Non-metallic lockable polycarbonate or fiberglass enclosures for remote annunciators, fire alarm control panels or other electronic products which require physical or environmental protection. Helps guard against vandalism (accidental or intentional), as well as dirt, dust and grime. Covers are lockable or offer a screw-down door. Available with AC and/or heat, pressure compensation vents, filter fans or drain vent.



EF-O



EF-W



EP-O



EP-T

c UL us

HOW THEY WORK

Enclosures are constructed of tough polycarbonate or fiberglass material which allows the unit within to be protected yet accessible. Many sizes are available with several ventilation options. Choices include a tinted or opaque hinged removable door, a lockable draw-down latch or a screw-down door. Available mounting panels offer easy installation.

KEY FEATURES

General Information

- Made in the U.S.A.
- Three year guarantee against breakage of polycarbonate in normal use (one year on electro mechanical and electronic components).

Design

- Polycarbonate models have opaque or tinted hinged door. Fiberglass models have opaque or clear window door.
- Removable door.
- Draw-down latch.
- Lockable or screw-down door.
- Soft rounded edges.

Construction

- Non-metallic tough polycarbonate or fiberglass.
- UV resistant.
- Brass threaded inserts for inner panel mounting.
- Window on fiberglass models made of clear polycarbonate.

Installation

- Mounting panels available.

Options

- Polycarbonate or fiberglass.
- Polycarbonate available with opaque or clear tinted door.
- Fiberglass offered with opaque or clear window door.
- Many sizes available.
- Ventilation options:
  - Heat with thermostat
  - A/C with heat
  - Pressure compensation vents
  - Filter fans
  - Drain vent

For more information, call 248-673-9898
or visit www.sti-global.com.

Safety Technology International

EnviroArmour® Build Your Model

E ____ ____ ____ ____

Series
F = Fiberglass
P = Polycarbonate

Size (H x W x D)	
Fiberglass*	Polycarbonate
060604	060605
080604	080605
080804	080805
100806	100806
121006	100807
141206	101006
141208	121007
161408	141207
181610	161409
201610	181604
	181611
	201608
	242410

*Custom fiberglass sizes available

Door Style
O = Opaque
T = Tinted (polycarbonate only)
W = Window (fiberglass only)

Optional Accessories* (fit chart below)
None = Leave blank
2 = Air Conditioner w/ Heat - 120VAC, 60Hz, 800 BTU, 100 Watts
3 = NEMA 3R Filter Fan with Filter Vent -120VAC, 60Hz with thermostat
4 = Power Distribution
5 = NEMA 3R Filter Fan with Filter Vent, Power Distribution
6 = Air Conditioner w/Heat, Power Distribution
*Call sales for 230VAC models (special order)

FIT CHART	
Accessory	Cover Sizes
2	EF181610, EF201610 EP242410
3	EF141208, EF161408, EF181610, EF201610 EP161409, EP181611, EP201608, EP242410
4	EP141207-O, EP181611-O, EP201608-O, EP242410-O
5	EP181611-O, EP201608-O, EP242410-O
6	EP242410-O

Additional heater options on page 4.
Filter fan replacement: KIT-530FF.

APPROVALS, TECHNICAL SPECS & WARRANTY

EP Series
Material: Injection Molded Polycarbonate
Type 1, 3R, 4, 4X, 12
Approvals: UL/cUL
Standards: UL50, UL50E, UL508A, IEC 60529
Ingress Protection: IP66
Gasket: Polyurethane Pour-in-Place
Temperature Range: -40°F - 248°F (-40°C - 120°C)
Flame Rating: UL94 5VA
Outdoor UV and Water Immersion Rating: (f1)

EF Series
Material: Hot Compression Molded Fiberglass
Stainless Steel Hardware: 300 Series
Type 1, 3, 3S, 4X, 12, 13
Approvals: UL/cUL
Ingress Protection: IP66
Standards: UL50, UL50E, UL508A, IEC 60529
Temperature Range: -76°F - 274°F (--60°C - 134°C
Temperature Range Window: -26°F - 170°F (-32°C - 76°C)
Flame Rating: UL94 5V
Impact Rating: IK10
Outdoor UV and Water Immersion Rating: (f1)

AC & Heat (options 2 & 6)
Type 12, 3R, 4
Approvals: UL/cUL, CE, EAC
Output AC 800BTU/Hr @ 131°F (55°C)
Output heater 150 Watts
Operating temp range: -40°F - 131°F (-40°C - 55°C)
Color: RAL 7035, semi-texture powder coat
Sound Level: 63dB(A)
Input Power: 3.5A @ 115VAC, 50/60Hz

Filter Fan (options 3 & 5)
Type 3R
Approvals: UL/cUL, CE
Ingress Protection: IP55
Operating temp range: -40°F - 131°F (-40°C - 55°C)
Color: RAL 7035
Sound Level: 44dB(A)
Airflow: 28 CFM
Fan Life: 40,000 Hrs.
Flame Rating: UL94 V-0
Input Power: 23mA @ 115VAC, 50/60Hz

WARRANTY

Three year quarantee against breakage of polycarbonate or fiberglass in normal use (one year on electro mechanical and electronic components).

VARIABLE HEIGHT AND SWING PANELS

SIZE ID HEIGHT & WIDTH	VARIABLE HT. SWING PANEL	DEAD FRONT SWING PANEL	VARIABLE HT. STATIONARY PANEL	ALUMINUM OR FIBERGLASS BACK PANEL
0606	N/A	N/A	EFVHA0606	BP*0606
0806	EFVSA0806	EFDAFA0806	EFVHA0806	BP*0806
0808	EFVSA0808	EFDAFA0808	EFVHA0808	BP*0808
1008	EFVSA1008	EFDAFA1008	EFVHA1008	BP*1008
1210	EFVSA1210	EFDAFA1210	EFVHA1210	BP*1210
1412	EFVSA1412	EFDAFA1412	EFVHA1412	BP*1412
1614	EFVSA1614	EFDAFA1614	EFVHA1614	BP*1614
1816	EFVSA1816	EFDAFA1816	EFVHA1816	BP*1816
2016	EFVSA2016	EFDAFA2016	EFVHA2016	BP*2016
	REQUIRES CORNER POST KIT AND SWING PANEL BRACKET KIT FOR EACH PANEL		REQUIRES CORNER POST KIT AND STATIONARY PANEL KIT	MOUNTS TO THE BOTTOM TO VARY HEIGHT FOR EACH PANEL USE CORNER POST KIT WITH STATIONARY PANEL BRACKET KIT

*A for Aluminum or F for Fiberglass

FIBERGLASS BRACKET KITS

COVER DEPTH	CORNER POST KIT	SWING PANEL BRACKET KIT	STATIONARY PANEL BRACKET KIT
4”	EF4POST	EFSPBKT	EFAPBKT
6”	EF6POST	EFSPBKT	EFAPBKT
8”	EF8POST	EFSPBKT	EFAPBKT
10”	EF10POST	EFSPBKT	EFAPBKT

BRACKET KIT REQUIRED FOR EACH PANEL.
CAN USE MULTIPLE PANELS IN AN ENCLOSURE.

BACK PANELS

SIZE ID HEIGHT & WIDTH	BACK PANEL ALUMINUM	BACK PANEL FIBERGLASS	BACK PANEL POLYCARBONATE
0606	BPA0606	N/A	BPP0606
0806	BPA0806	BPF0806	BPP0806
0808	BPA0808	N/A	BPP0808
1008	BPA1008	BPF1008	BPP1008
1010	BPA1010	N/A	BPP1010
1210	BPA1210	BPF1210	BPP1210
1412	BPA1412	BPF1412	BPP1412
1614	BPA1614	BPF1614	BPP1614
1816	BPA1816	BPF1816	BPP1816
2016	BPA2016	BPF2016	BPP2016
2424	BPA2424	N/A	BPP2424
	REQUIRES EPSPBKT TO VARY HEIGHT OR CREATE SWING PANEL		

Panel thickness:
BPA2016 .090”, BPA2424 .130”, all other BPA models .080”
BPF1816 .080”, all other BPF models .125”

POLYCARBONATE BRACKET KITS

EPSPBKT	SWING PANEL MOUNT BRACKETS
EPSNK	SLOT NUT KIT (2) NUTS & (2) SCREWS FOR SIDE PANEL MOUNTING

BRACKET KIT REQUIRED FOR EACH PANEL.
CAN USE MULTIPLE PANELS IN AN ENCLOSURE.

POLE MOUNT BRACKET KITS

Bracket Part Number	Fits EF and EP Series with horizontal dimension up to:
STI-PMK0608	8 inches
STI-PMK1012	12 inches
STI-PMK1416	16 inches
STI-PMK1824	24 inches

NOTE: Mounting straps are 32” in length (2 included with each kit).

EnviroArmour® Optional Recommended Heaters/Thermostats

AT MIN. AMBIENT TEMP. -20°F (-29°C)

ENCLOSURE	RECOMMENDED HTR W/TSTAT	DIMENSIONS H X W X D
EF060604-O/W EP060605-O/T	STI-HTR020T	H - 2.95 x 1.16 x 1.77 T - 2.52 x 1.46 x 1.81
EF080604-O/W EF080804-O/W EF100806-O/W EP080605-O/T EP080805-O/T EP100806-O/T EP100807-O/T EP101006-O/T	STI-HTR030T	H - 2.95 x 1.16 x 1.77 T - 2.52 x 1.46 x 1.81
EF121006-O/W EP121007-O/T	STI-HTR045T	H - 3.94 x 2.76 x 1.97 T - 2.52 x 1.46 x 1.81
EF141206-O/W EF141208-O/W EP141207-O/T	STI-HTR060T	H - 6.89 x 2.76 x 1.97 T - 2.52 x 1.46 x 1.81
EF161408-O/W EP161409-O/T EP181604-O/T	STI-HTR075T	H - 6.89 x 2.76 x 1.97 T - 2.52 x 1.46 x 1.81
EF181610-O/W EF201610-O/W EP181611-O/T EP201608-O/T	STI-HTR100T	H - 6.89 x 2.76 x 1.97 T - 2.52 x 1.46 x 1.81
EP242410-O/T	STI-HTR150T	H - 6.89 x 2.76 x 1.97 T - 2.52 x 1.46 x 1.81
	STI-HTR200T	H - 5.59 x 3.46 x 5.47

Call sales for other heater, hygrostat, and thermostat options

ACCESSORIES FOR ALL ENCLOSURES	
*STI-TSTAT510F	Double Throw Thermostat 32-140°F
*STI-TSTAT541F	Dual Thermostat for Fan & Heater 32-140°F
*STI-TSTAT542F	Dual Thermostat for Heater/Alarm 32-140°F NC/NC
*STI-TSTAT543F	Dual Thermostat for Fan/Alarm 32-140°F NO/NO
KIT-BV4X	NEMA 4X BREATHER VENT
KIT-DV16	16mm Nylon Condensation Drain Vent
KIT-PRTPKT	PLASTIC PRINT PACKET 9.3" x 10.4" x 1.2
KIT-LPK3	LOUVER PLATE VENT
KIT-R08604	REPLACEMENT FILTERS (only for enclosures using NEMA 3R filter fan with filter vent)
KIT-REV60	SMALL VENT
KIT-REV80	LARGE VENT
KIT-HP-Series 2	1/2" & 3/4" CONDUIT HOLE RANGE (22mm - 30mm PB)
KIT-AP18017	DIN RAIL 3.25" LONG
KIT-EVA24	DIN RAIL, 3 PIECES, ea. 22.625" LONG
KIT-EVA16	DIN RAIL, 3 PIECES, ea. 15.25" LONG

*Celsius models also available.

Safety Technology International
Engineered to Fit. Trusted to Perform.

Americas Headquarters
2306 Airport Road
Waterford, MI 48327, USA
info@sti-usa.com | www.sti-global.com
Tel: 248-673-9898

EMEA Headquarters
Taylor House 34 Sherwood Rd.,
Bromsgrove, Worcs., B60 3DR, England
info@sti-emea.com | www.sti-global.com
Tel: +44 (0) 1527 520 999

© 2007-2026 Safety Technology International