



Industrial Control Products

N Series – Wall Mount



N Series,
Wall Mount



N Series – Wall Mount

Stahlin's **N Series** enclosures are designed to accommodate electrical, electronic, instrumentation and mechanical controls indoors and outdoors where corrosion resistant watertight enclosures are needed to provide protection against windblown dust and rain, splashing and hose directed water. The "N" designation reflects a NEMA range series of large capacity enclosures.

With the ample working space involved, this wall mount configuration, enclosure style will also accommodate combination hydraulic or pneumatic controls along with the supporting electrical control. Fiberglass reinforced polyester supports a very high temperature range and corrosion resistance when used in oil field, mining, oil platform, water/waste water and general processing controls. Yet, the pleasing cosmetic construction is ideally suited for ordinary indoor or outdoor industrial control mounting.

Product Configurations

OPAQUE COVER

 TYPE 4X SS HINGED, LATCHED DOWN COVER	 TYPE 4X FIBERGLASS HINGED, THROUGH THE DOOR LATCHES	 TYPE 4X LATCHED DOWN COVER, LIFT OFF COVER
 TYPE 3R SS HINGED, LATCHED DOWN COVER	 TYPE 3R FIBERGLASS HINGED, THROUGH- THE-DOOR LATCHES	 TYPE 12 STAINLESS STEEL HINGED, LATCH DOWN COVER

BONDED WINDOW

 TYPE 4X STAINLESS STEEL HINGED, LATCHED DOWN COVER

Attributes

- Available in 2 cover options:
 1. Opaque cover
 2. Flush bonded window
- Fiberglass reinforced polyester material
- Memory retaining polyurethane gasket
- 300 series stainless steel hardware
- Integral mounting feet
- Molded in panel mounting inserts or studs
- High temperature, flame-retardant, non corrosive, environmental designs
- Padlockable

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12 as designated
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12 as designated
IEC 60529	File E362920 IP66
UL1741	File E333478 WT, HWT, FHLWT
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428C)



Opaque Cover

Type 4X



CONFIGURATION

Stainless steel hinged, latched down cover



HWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HWT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Fiberglass hinged,
latched down cover



FHLWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Non-Metallic Hardware	Glass filled PBT hinge, nylon quarter turn latches
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Hinge Material	Glass filled Polybutylene Terephthalate (PBT)
Color	Available standard glacier grey (PMS 428C)

FHLWT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

FHLWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FHLWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



WT

Product Specifications

N Series – Wall Mount

Opaque Cover

Type 4X

WT

CONFIGURATION

Latched down cover, lift off cover



WT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

WT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

WT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

WT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

Type 3R

CONFIGURATION
Hinged, latch down cover

RT



RT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Rain Shield	Protection against incidental water ingress
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

RT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

RT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R
CSA Std C22.2	File LR069014; Type 1, 3R
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

RT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

Type 3R



CONFIGURATION
Fiberglass hinged,
through-the-door latches



FHLRT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Rain Shield	Protection against incidental water ingress
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Non-Metallic Hardware	Glass filled PBT hinge, nylon quarter turn latch
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Hinge Material	Glass filled Polybutylene Terephthalate (PBT)
Color	Available standard glacier grey (PMS 428C)

FHLRT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

FHLRT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R
CSA Std C22.2	File LR069014; Type 1, 3R
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FHLRT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

Type 12



CONFIGURATION
Stainless steel, hinged,
latch down cover

12

12 Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

12 Modifications

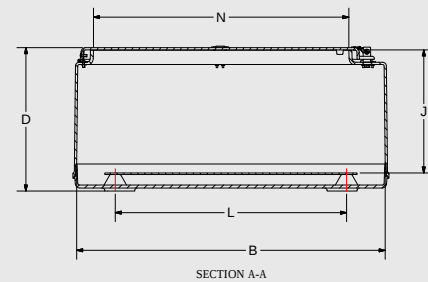
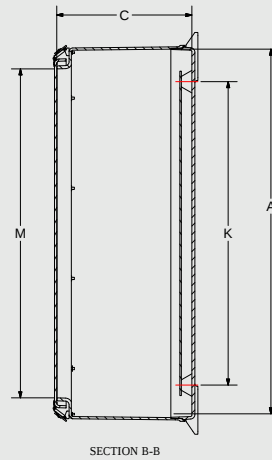
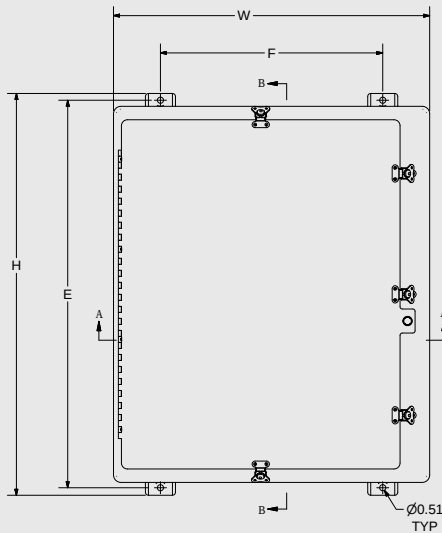
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

12 Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 12
CSA Std C22.2	File LR069014 Type 1, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

12 Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N16107HWT N16107FHLWT	18.75 x 10.96 x 9.03 (476 x 278 x 229)	15.92 x 10.27 x 8.53 (404 x 261 x 217)	17.50 x 7.00 (444 x 178)	7.8 (198)	12 (305)	7.5 (191)	13.14 x 6.00 (334 x 152)	2	10.7 lbs.	BP1610**
N20166HWT N20166FHLWT	22.75 x 16.87 x 7.77 (578 x 429 x 197)	19.70 x 16.04 x 7.24 (500 x 407 x 184)	21.50 x 10.12 (546 x 257)	6.26 (159)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	17.6 lbs.	BP2016**
N20168HWT N20168FHLWT N20168RT N20168FHLRT	22.75 x 16.87 x 10.27 (578 x 429 x 261)	19.70 x 16.04 x 9.24 (500 x 407 x 235)	21.50 x 10.12 (546 x 257)	8.26 (210)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	19.7 lbs.	BP2016**
N201610HWT N201610RT	22.75 x 16.87 x 12.27 (578 x 429 x 312)	19.70 x 16.04 x 11.24 (500 x 407 x 286)	21.50 x 10.12 (546 x 257)	10.26 (261)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	23 lbs.	BP2016**
N201612HWT N201612RT	22.75 x 16.87 x 14.27 (578 x 429 x 362)	19.70 x 16.04 x 13.24 (500 x 407 x 336)	21.50 x 10.12 (546 x 257)	12.26 (312)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	23.5 lbs.	BP2016**
N201616HWT*	22.75 x 16.87 x 17.52 (578 x 429 x 445)	19.70 x 16.04 x 16.99 (500 x 407 x 432)	21.50 x 10.12 (546 x 257)	16.01 (407)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	25 lbs.	BP2016**
N20208HWT* N20208*	23.50 x 20.50 x 9.69 (597 x 521 x 246)	20.25 x 20.25 x 8.88 (514 x 514 x 225)	22.25 x 14.50 (565 x 368)	7.88 (200)	15.25 (387)	15.25 (387)	17.00 x 16.00 (432 x 406)	2	26 lbs.	BP2020**
N24126HWT	26.95 x 13.72 x 7.98 (685 x 348 x 203)	24.00 x 12.87 x 7.33 (610 x 327 x 186)	25.75 x 6.25 (654 x 159)	6.33 (161)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2 4	26 lbs.	BP2412**

All measures are in inches, items in parentheses are in millimeters.



*Made to order.



**Panel sold separately



N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N241210HWT N241210FHLWT N241210RT	26.95 x 13.72 x 12.49 (685 x 348 x 317)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2	25 lbs.	BP2412**
N24208HWT N24208FHLWT N24208WT N24208RT N24208FHLRT N24208	27.00 x 21.24 x 9.90 (686 x 539 x 252)	24.05 x 20.39 x 9.25 (611 x 518 x 235)	25.75 x 14.00 (654 x 356)	8.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	2 2 6 4 4 2	32 lbs.	BP2420**
N242010HWT* N242010RT* N242010*	27.00 x 21.24 x 11.90 (686 x 539 x 302)	24.05 x 20.39 x 11.25 (611 x 518 x 286)	25.75 x 14.00 (654 x 356)	10.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	2 4 2	37 lbs.	BP2420**
N242410HWT N242410FHLWT N242410WT N242410RT N242410FHLRT N242410	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	2 2 6 4 4 2	38.5 lbs.	BP2424**
N242412HWT* N242412WT* N242412RT* N242412*	27.00 x 25.24 x 13.90 (686 x 641 x 353)	24.05 x 24.39 x 13.25 (611 x 619 x 336)	25.75 x 17.87 (654 x 454)	12.25 (311)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	2 2 6 4 2	42.1 lbs.	BP2424**
N30206HWT	32.86 x 20.99 x 7.89 (835 x 533 x 200)	29.90 x 20.14 x 7.23 (760 x 511 x 184)	30.75 x 14.25 (806 x 362)	6.23 (158)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2	34 lbs.	BP3020**
N30208HWT N30208FHLWT N30208WT N30208RT N30208FHLRT N30208	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2 2 8 5 5 2	37 lbs.	BP3020**
N302010HWT N302010RT N302010FHLRT N302010	32.86 x 20.99 x 11.89 (835 x 533 x 302)	29.90 x 20.14 x 11.23 (760 x 511 x 285)	31.75 x 14.25 (806 x 362)	10.23 (260)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2 2 5 2	39 lbs.	BP3020**
N302012HWT* N302012WT* N302012*	32.86 x 20.99 x 13.89 (835 x 533 x 353)	29.90 x 20.14 x 13.23 (760 x 511 x 336)	31.75 x 14.25 (806 x 362)	12.23 (311)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	8 5 2	42.2 lbs.	BP3020**
N302014HWT* N302014FHLWT* N302014*	32.86 x 20.99 x 15.89 (835 x 533 x 404)	29.90 x 20.14 x 15.23 (760 x 511 x 387)	31.75 x 14.25 (806 x 362)	14.23 (361)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	5 5 2	44 lbs.	BP3020**

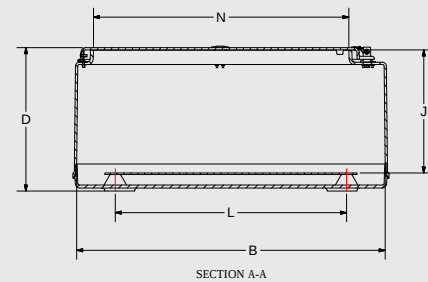
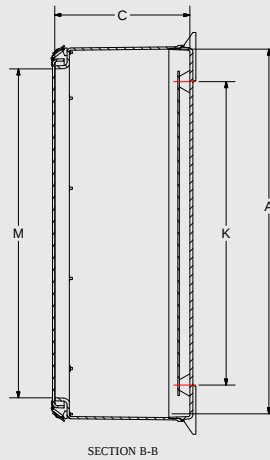
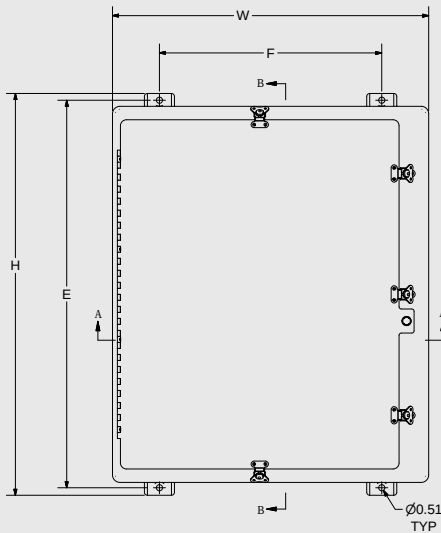
All measures are in inches, items in parentheses are in millimeters.



*Made to order.



**Panel sold separately



- NOTES:
 1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N30247HWT	33.41 x 26.32 x 8.81	30.46 x 25.47 x 8.12	32.25 x 18.50	7.12	25.25	19.25	27.38 x 21.25	2	46.3 lbs.	BP3024**
N30247FHLWT	(849 x 668 x 224)	(774 x 647 x 206)	(819 x 470)	(181)	(641)	(489)	(695 x 540)	8		
N30247WT								5		
N30247RT								5		
N30247								2		
N302410HWT	33.41 x 26.32 x 11.95	30.46 x 25.47 x 11.27	32.25 x 18.50	10.27	25.25	19.25	27.38 x 21.25	2	52.2 lbs.	BP3024**
N302410FHLWT	(849 x 668 x 304)	(774 x 647 x 286)	(819 x 470)	(261)	(641)	(489)	(695 x 540)	2		
N302410RT								5		
N302410FHLRT								5		
N302410								2		
N302412HWT	33.41 x 26.32 x 13.79	30.46 x 25.47 x 13.10	32.25 x 18.50	12.1	25.25	19.25	27.38 x 21.25	2	52 lbs.	BP3024**
N302412FHLWT	(849 x 668 x 350)	(774 x 647 x 333)	(819 x 470)	(307)	(641)	(489)	(695 x 540)	2		
N302412RT								5		
N302412FHLRT								5		
N302412								2		
N302414HWT*	33.41 x 26.32 x 15.79	30.46 x 25.47 x 15.10	32.25 x 18.50	14.1	25.25	19.25	27.38 x 21.25	2	56 lbs.	BP3024**
N302414FHLWT*	(849 x 668 x 401)	(774 x 647 x 384)	(819 x 470)	(358)	(641)	(489)	(695 x 540)	8		
N302414WT*								5		
N302414RT*								5		
N302414*								2		
N302416HWT*	33.41 x 26.32 x 17.79	30.46 x 25.47 x 17.10	32.25 x 18.50	16.1	25.25	19.25	27.38 x 21.25	2	56 lbs.	BP3024**
N302416FHLWT*	(849 x 668 x 452)	(774 x 647 x 434)	(819 x 470)	(409)	(641)	(489)	(695 x 540)	5		
N302416RT*								5		
N302416*								2		

All measures are in inches, items in parentheses are in millimeters.
 Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N302422HWT*	33.41 x 26.32 x 22.79 (849 x 668 x 579)	30.46 x 25.47 x 21.10 (774 x 647 x 536)	32.25 x 18.50 (819 x 470)	21.1 (536)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	5	67 lbs.	BP3024**
N36308HWT N36308FHLWT N36308RT N36308	39.31 x 32.50 x 10.05 (999 x 826 x 255)	36.31 x 31.69 x 9.36 (922 x 805 x 238)	38.13 x 23.88 (968 x 606)	8.36 (212)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5 3	64.9 lbs.	BP3630**
N363010HWT N363010FHLWT N363010RT N363010	39.31 x 32.50 x 12.05 (999 x 826 x 306)	36.31 x 31.69 x 11.36 (922 x 805 x 289)	38.13 x 23.88 (968 x 606)	10.36 (263)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5	69 lbs.	BP3630**
N363012HWT N363012FHLWT N363012WT N363012RT N363012	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 8 5 5 3	71.6 lbs.	BP3630**
N363016HWT* N363016FHLWT* N363016RT* N363016*	39.31 x 32.50 x 18.58 (999 x 826 x 472)	36.31 x 31.69 x 17.39 (922 x 805 x 442)	38.13 x 23.88 (968 x 606)	16.39 (416)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5 3	75.4 lbs.	BP3630**
N363023HWT*	39.31 x 32.25 x 25.08 (999 x 819 x 637)	36.31 x 31.69 x 24.40 (922 x 805 x 620)	38.13 x 23.88 (968 x 606)	23.4 (594)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	5	82 lbs.	BP3630**
N363613HWT* N363613FHLWT* N363613RT* N363613*	39.50 x 36.50 x 15.06 (1003 x 927 x 383)	36.25 x 36.25 x 14.50 (921 x 921 x 368)	38.25 x 28.50 (972 x 724)	13.50 (343)	29 (737)	31 (787)	32.00 x 32.00 (813 x 813)	3 3 9 9	81 lbs.	BP3636**
N483612RT N483612FHLWT N483612HWT N483612	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	50.12 x 28.50 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	3 10 10 3	96 lbs.	BP4836**
N483616RT N483616FHLWT N483616HWT N483616	51.29 x 36.62 x 17.93 (1303 x 930 x 456)	48.33 x 32.22 x 17.25 (1228 x 920 x 438)	50.12 x 28.50 (1273 x 724)	16.25 (413)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	3 10 10 3	109 lbs.	BP4836**
N602418RT* N602418HWT*	63.75 x 24.50 x 20.12 (1619 x 622 x 511)	60.38 x 36.13 x 19.44 (1533 x 918 x 493)	62.50 x 16.75 (1587 x 425)	18.44 (468)	27.63 (702)	19.25 (489)	57.25 x 20.00 (1454 x 508)	9	175 lbs.	BP6024**
N603612RT* N603612FHLWT* N603612HWT* N603612*	64.00 x 36.50 x 14.12 (1627 x 927 x 359)	60.62 x 36.13 x 13.44 (1540 x 918 x 441)	62.75 x 28.75 (1594 x 730)	12.44 (316)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	3 11 11 3	125 lbs.	BP6036**
N603616RT* N603616FHLWT* N603616HWT* N603616*	64.00 x 36.50 x 18.12 (1627 x 927 x 460)	60.62 x 36.13 x 17.44 (1540 x 918 x 443)	62.75 x 28.75 (1594 x 730)	16.44 (418)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	3 11 11 3	130 lbs.	BP6036**
N603624HWT*	63.75 x 36.50 x 26.12 (1619 x 927 x 663)	60.38 x 36.13 x 25.44 (1533 x 918 x 646)	62.50 x 28.75 (1587 x 730)	24.44 (621)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	11	140 lbs.	BP6036**

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



Bonded Window

Type 4X



CONFIGURATION

Stainless steel hinged,
latched down cover



HWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HWT Modifications

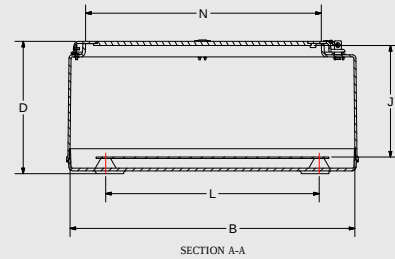
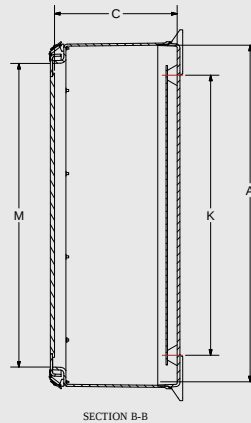
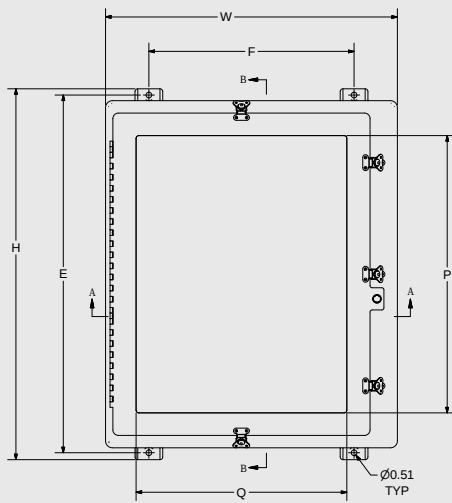
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Window Flammability	UL94V-HB
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
Outdoor Exposure UL746C	(f1) Rated

HWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
 1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

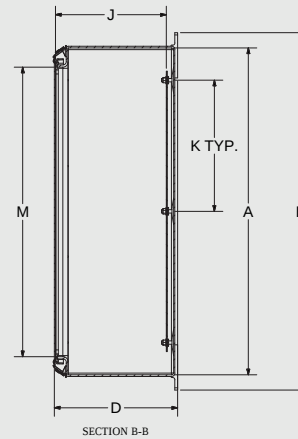
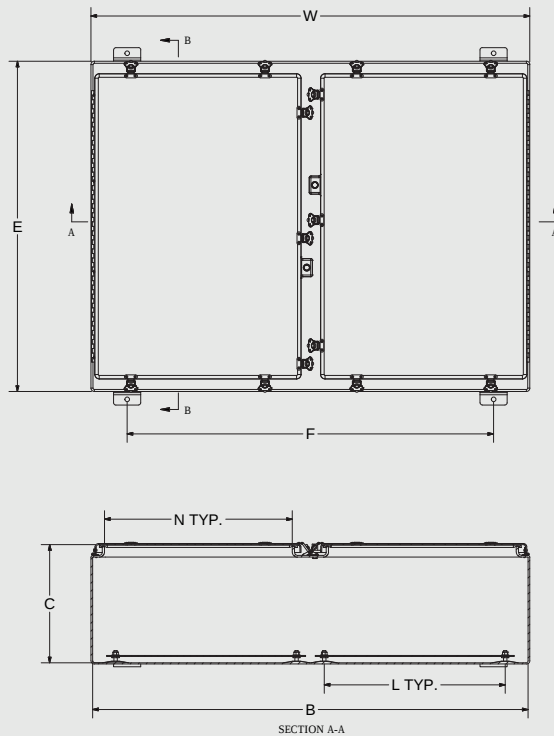
N Series – Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAXIMUM) P X Q	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
NW201610HWT	22.75 x 16.87 x 11.77 (578 x 429 x 299)	19.70 x 16.04 x 11.24 (500 x 407 x 286)	14 x 10 (356 x 254)	21.50 x 10.12 (546 x 257)	10.26 (261)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	24 lbs.	BP2016*
NW241210HWT	26.95 x 13.72 x 11.99 (685 x 348 x 304)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	18 x 6 (457 x 152)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2	26 lbs.	BP2412*
NW24208HWT	27.00 x 21.24 x 9.90 (686 x 539 x 252)	24.05 x 20.39 x 9.25 (611 x 518 x 235)	19 x 14 (483 x 356)	25.75 x 14.00 (654 x 356)	8.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	4	34 lbs.	BP2420*
NW242410HWT	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	19 x 18 (483 x 457)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	4	45 lbs.	BP2424*
NW30208HWT	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	24 x 14 (610 x 356)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	5	39 lbs.	BP3020*
NW302410HWT	33.41 x 26.32 x 11.95 (849 x 668 x 304)	30.46 x 25.47 x 11.27 (774 x 647 x 286)	25 x 19 (635 x 483)	32.25 x 18.50 (819 x 470)	10.27 (261)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	5	54 lbs.	BP3024*
NW363012HWT	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	31 x 25 (787 x 635)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	5	86 lbs.	BP3630*
NW483612HWT	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	43 x 30 (1092 x 762)	50.12 x 28.5 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	10	99.8 lbs.	BP4836*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. NOTE "J" DIMENSION IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Double Door

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N364812DDRT*	39.50 x 48.50 x 13.62	36.12 x 48.12 x 13.00	38.25 x 40.5	11.94	14.50	20.00	32.00 x 20.75	6	140 lbs.	BP3648 (2)**
N364812DDHWT*	(1003 x 1232 x 346)	(917 x 1222 x 330)	(972 x 1029)	(303)	(368)	(508)	(813 x 527)	14		
N54428DDRT*	57.50 x 42.50 x 9.62	54.12 x 42.12 x 9.00	56.25 x 34.50	7.94	23.50	17.00	50.00 x 17.50	8	162 lbs.	BP5442 (2)**
N54428DDHWT*	(1460 x 1080 x 244)	(1374 x 1069 x 228)	(1429 x 876)	(201)	(596)	(431)	(1270 x 444)			

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately