

# ADALET

A SCOTT FETZER COMPANY

4801 W. 150th St., Cleveland, OH 44135  
PH: 216.267.9000 FAX: 216.267.1681  
WWW.ADALET.COM

## N4XP SERIES POLYCARBONATE ENCLOSURES



### POLYCARBONATE APPLICATIONS

Polycarbonate enclosures are a superior choice for a wide range of outdoor applications and environments:

- **Remote Monitoring** - For remote placement of monitoring or networking devices/components
- **Alternative Energy** - From solar to wind, keep systems safe from the environment
- **Water/Wastewater Treatment** - Water/wastewater treatment and sprinkler systems are well-protected in polycarbonate
- **Utility & Electrical** - Utility applications that are housed outdoor are ideally enclosed in polycarbonate
- **Marine & Marina** - Whether on-ship or at the dock, guard against corrosive salt water and sun

CE

cULus

UL Types 2, 3, 3R, 4, 4X, 5, 6/6P, 12





## N4XP LINE OVERVIEW

### 900 IN/LB IMPACT RESISTANCE

HIGH IMPACT RESISTANCE AND THAT IS WHY WE CHOSE TO USE IT AS THE MATERIAL FOR OUR N4XP ENCLOSURE LINE.

### HUGE OPERATING TEMPERATURE RANGE

POLYCARBONATE IS STABLE AND HOLDS IT'S TENSILE STRENGTH BETTER THAN OTHER NON METALLIC MATERIALS OVER A TEMPERATURE RANGE FROM -40° F TO 265° F.

### CRYSTAL CLEAR COVERS

CLEAR COVERS ARE A SUPERIOR ALTERNATIVE TO MECHANICALLY AFFIXED WINDOW KITS.

### EZ HINGE

ADALET'S STANDARD HINGES ALLOW EASY DOOR REMOVAL OR REPLACEMENT WHILE PERMITTING A FULL 225 DEGREE DOOR SWING.

### UNIQUE T-RAIL PANEL SUSPENSION SYSTEM

THE OPTIONAL BRACKETS THAT ATTACH TO THE T-RAILS ALLOW OUR CUSTOMERS TO MOUNT AN INDIVIDUAL MOUNTING PANEL AT ANY HEIGHT IN THE ENCLOSURE OR TO EVEN HAVE MULTIPLE BACK PANELS AT DIFFERENT HEIGHTS.

### MOLDED IN MOUNTING BOSSES

EXTRA MOUNTING BOSSES MOLDED INTO THE REAR WALL TO PERMIT #10 SELF TAPPING SCREWS TO SECURE DIN RAIL, CIRCUIT BOARD, OR ANY OTHER DEVICE OR COMPONENT INTO THE ENCLOSURE.

### MODIFICATIONS

FULL MODIFICATIONS SERVICES ARE AVAILABLE INCLUDING MACHINING HOLES FOR DISPLAYS, CABLE CONNECTORS, MULTI PIN CONNECTORS, ANTENNAE, ETC. CALL US TO DISCUSS YOUR UNIQUE REQUIREMENTS.



## ALSO AVAILABLE:

### STAINLESS STEEL ENCLOSURES

ADALET OFFERS A WIDE VARIETY OF STAINLESS STEEL ENCLOSURES WHICH OFFER A HIGHER LEVEL OF DURABILITY AND RUGGEDNESS FOR TOUGH APPLICATION REQUIREMENTS.

OUR STAINLESS STEEL WALL-MOUNT ENCLOSURES CAN BE USED INDOORS OR OUTDOORS TO HOUSE ITEMS SUCH AS PILOT DEVICES, ELECTRONIC OR ELECTRICAL CONTROLS, INSTRUMENTATION SYSTEMS, AND HYDRAULIC, PNEUMATIC AND MACHINE TOOL CONTROLS.

THESE ENCLOSURES ARE DESIGNED TO PROTECT AGAINST DUST, DIRT, OIL AND WATER. THEY ARE FOR APPLICATIONS IN PETROCHEMICAL PLANTS, DAIRIES, BREWERIES, FOOD PROCESSING AREAS AND SIMILAR ENVIRONMENTS WHERE THEY CAN BE SUBJECT TO FREQUENT HIGH PRESSURE HOSE AND GENERALLY WET CONDITIONS. THEY ARE ALSO FOR USE IN AREAS WHERE SEVERE CORROSION PROBLEMS EXIST.

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## N4XP Series Quick Facts:

- Eleven sizes from 6x6x4 through 18x16x10
- Light grey in color with high gloss finish
- Available in screw cover or hinged with locking latch
- All sizes and configurations are available in clear or opaque lid
- All models include enclosure foot mount or flange mount system
- Features a unique T-Rail mounting system (brackets are option) for face plates, swing panels, layering back panels and/or infinitely variable back panel height
- Brass inserts for securing mounting feet or flange, optional back panel and lid
- UL/C-UL-50 listed NEMA 2, 3, 3R, 3S, 4, 4X, 5, 12, 13



## BETTER MATERIAL. BETTER BOXES.

POLYCARBONATE OFFERS EXCELLENT RESISTANCE TO MANY OF THE AGENTS THAT ATTACK ENCLOSURES.

Characteristics such as superior impact resistance and UV protection are inherent in polycarbonate. In addition, it is about 40% lighter than fiberglass making it a perfect choice for remote or pole-mounted applications. Modifications are easy and produce clean holes and cutouts compared to unsightly holes and chipping with other non-metallic materials.

### AVAILABLE STYLES



#### N4XP-HLL Series

opaque hinged cover  
with locking latch



#### N4XP-HCLL Series

clear hinged cover  
with locking latch



#### N4XP-S Series

opaque screw cover



#### N4XP-SC Series

clear screw cover

### ACCESSORIES



#### VBPAGK

BACK PANEL ADJUSTMENT KIT  
(Gray)



ALUMINUM BACK  
PANELS



SWING PANEL  
KITS





### APPLICATION PROFILE

Polycarbonate enclosures have properties that make them a great fit for applications such as remote monitoring, alternative energy and water treatment.



#### IMPACT RESISTANT

With a tensile strength of 900 in/lb polycarbonate has nearly 4x the impact resistance of other non-metallic material types.



#### WIDE OPERATING TEMPERATURE RANGE

Polycarbonate is stable and holds its strength better than other non-metallic materials over a temperature range from -40° F to 265° F.



#### LIGHTWEIGHT

Polycarbonate is up to 40% lighter than other non-metallic materials which saves on shipping and installation costs.



#### EASY MODIFICATIONS

Polycarbonate offers dust-free machining that is easy on tools and people while producing attractive results with no sharp edges.



#### ECO - AWARE

Polycarbonate is recyclable in the manufacturing process and at the products end-of-life.



#### SAVES TIME AND MONEY

Superior durability results in less shipping damage and the lightweight, workable material speeds up modification and installation saving both time and money.

## FACTORY MODIFICATIONS

Many customers elect to have Adalet perform their modification tasks and provide a product that is ready-to-use right out of the box.

Our manufacturing facility can handle your modified enclosure needs for:

- Drilling Holes
- CNC machine cut outs
- Silkscreen
- Graphic panels
- Custom enclosures
- Custom colors (minimum quantity)
- Custom back panels

Simply contact your factory representative or Adalet customer service to learn how we can supply the enclosure configuration you require.

ENCLOSURES

OPAQUE SCREW COVER	CLEAR SCREW COVER	OPAQUE HINGE COVER WITH LOCKING LATCH	CLEAR HINGE COVER WITH LOCKING LATCH	SIZE	WEIGHT (lbs.)
N4XP-H060604S	N4XP-H060604SC	N4XP-H060604HLL	N4XP-H060604HCLL	6" X 6" X 4"	2
N4XP-H080604S	N4XP-H080604SC	N4XP-H080604HLL	N4XP-H080604HCLL	8" X 6" X 4"	2.5
N4XP-H080804S	N4XP-H080804SC	N4XP-H080804HLL	N4XP-H080804HCLL	8" X 8" X 4"	3
N4XP-H100802S	N4XP-H100802SC	N4XP-H100802HLL	N4XP-H100802HCLL	10" X 8" X 2"	3
N4XP-H100804S	N4XP-H100804SC	N4XP-H100804HLL	N4XP-H100804HCLL	10" X 8" X 4"	3
N4XP-H100806S	N4XP-H100806SC	N4XP-H100806HLL	N4XP-H100806HCLL	10" X 8" X 6"	3.5
N4XP-H121004S	N4XP-H121004SC	N4XP-H121004HLL	N4XP-H121004HCLL	12" X 10" X 4"	4
N4XP-H121006S	N4XP-H121006SC	N4XP-H121006HLL	N4XP-H121006HCLL	12" X 10" X 6"	4.5
N4XP-H141206S	N4XP-H141206SC	N4XP-H141206HLL	N4XP-H141206HCLL	14" X 12" X 6"	6
N4XP-H161407S	N4XP-H161407SC	N4XP-H161407HLL	N4XP-H161407HCLL	16" X 14" X 7"	8
N4XP-H181610S	N4XP-H181610SC	N4XP-H181610HLL	N4XP-H181610HCLL	18" X 16" X 10"	13

ACCESSORIES

CATALOG NUMBER	DESCRIPTION	SIZE	WEIGHT (lbs.)	CATALOG NUMBER	DESCRIPTION
VABP66	Aluminum Panel for 6"x6" enclosure	4.88"x4.88"	1	VABP-66SP/SOPK	Swing Panel Kit for 6x6
VABP86	Aluminum Panel for 8"x6" enclosure	6.75"x4.88"	1	VABP-86SP/SOPK	Swing Panel Kit for 8x6
VABP88	Aluminum Panel for 8"x8" enclosure	6.75"x6.75"	1	VABP-88SP/SOPK	Swing Panel Kit for 8x8
VABP108	Aluminum Panel for 10"x8" enclosure	8.75"x6.88"	1	VABP-108SP/SOPK	Swing Panel Kit for 10x8
VABP1210	Aluminum Panel for 12"x10" enclosure	10.75"x8.88"	1	VABP-1210SP/SOPK	Swing Panel Kit for 12x10
VABP1412	Aluminum Panel for 14"x12" enclosure	12.75"x10.88"	2	VABP-1412SP/SOPK	Swing Panel Kit for 14x12
VABP1614	Aluminum Panel for 16"x14" enclosure	14.75"x12.88"	2	VABP-1614SP/SOPK	Swing Panel Kit for 16x14
VABP1816	Aluminum Panel for 18"x16" enclosure	16.75"x14.88"	3	VABP-1816/SP-SOPK	Swing Panel Kit for 18x16