Altelix NFC Series
Fiberglass Weatherproof NEMA Enclosures
Overview
The Altelix NFC Series Weatherproof NEMA Enclosures are ideal for protecting equipment from harsh environments and tampering. These rugged enclosures are constructed from molded fiberglass reinforced polyester (FRP). They feature fully gasketed doors with quarter-turn latches to secure the enclosure. A versatile feature of the NFC series enclosures is the integral T-Slot Nut Mounting System. Molded into the interior of the enclosure, this mounting system can be used to mount different size and types of equipment mounting plates as well as DIN rails without modifying the enclosure. Model options include 120 VAC powered enclosures, thermostat controlled cooling fans and heaters as well as vented and windowed versions. In addition to our standard enclosures, Altelix can provide customized enclosures to suit a customer’s specific requirements.

The following are some of the features and options available:

- Enclosure sizes include 12x10x6, 16x12x8, 16x16x8, 20x16x8, 24x16x9, 24x20x9 and 32x24x12 in.
- Fully gasketed door with reinforced hinges and quarter-latches. Keyed lock set also available.
- 120 VAC powered enclosures feature power outlets and optional pre-wired power cord.
- Optional thermostat controlled cooling fans and heating system.
- Insulated models feature 1/2" thick insulation bolted to the interior of the enclosure.
- Vented models with rain shields.
- Optional pole mounting kits available.

The following example shows some of the features and options available. The model shown is a 16x16x8 FRP enclosure – model #NFC161608VFA1C
Enclosure Features & Options

Enclosure
Molded from durable and UV resistant fiberglass reinforced polyester (FRP), the NFC series features a fully gasketed door making this enclosure suitable for use indoors or outdoors. Dual quarter-turn latches are provided on the door. An optional Keyed Lock Set with Key (HN-0001) is also available so that the enclosure can be locked, protecting any internal equipment installed.

Equipment Mounting Plate
The enclosure and plate can be drilled and modified by the installer to suit unique site requirements. Plate types include galvanized steel, aluminum and non-metallic polyester. Altelix can also provide plates that are pre-drilled to the customer’s specifications.

Integral T-Slot Nut Mounting System
Molded into the interior of the enclosure is a versatile mounting system can be used to mount different size and types of equipment mounting plates as well as DIN rails without modifying the enclosure. Designed for use with T-Slot nuts, they run the full length of the enclosure from top to bottom. This mounting system provides the flexibility needed when configuring the enclosure for specific user requirements.

Heater
Ideal for cold environments, enclosures with this option feature a thermostat-controlled heating system. The heater turns on when the internal temperature reaches 43°F (6°C) and turns off when it rises to 59°F (15°C). The heater is situated below the mounting plate and wired internally so it does not interfere with user installed equipment or require the use of the AC outlets.

Cooling Fan Ventilation
Models with this option feature dual 4" vents and a thermostat controlled cooling fan. The low noise, high airflow fan helps maintain lower internal temperatures. The fan turns on when the internal temperature reaches 100°F (38°C) and turns off when it drops to 79°F (26°C). The fan is wired internally so it does not require the use of the AC outlets leaving them available for internal equipment use. Rain shrouds on the front door keep rain water from entering the enclosure, and the internal aluminum mesh filters are removable for cleaning. Dual fans are also available by request. Enclosures can be ordered with ventilation only, no fans.

Mounting
Four removable mounting feet are included so that the enclosure can be securely mounted to a wall or other structure. An optional pole mounting kits are also available.

Customization
We offer numerous standard models and options including equipment mounting plates, DIN rails, AC or DC power, air vents, cooling fans and heaters and more. We also offer full customization, engineering and on-site CNC machining of enclosures and associated equipment, all with quick turnaround time. Please contact us with your unique requirements.