



## Thermoelectrically Air Conditioned Enclosures (TACE™)

Model: TACE™ 100W 14x12x7

### Applications and Features

- Applications:**
- Remote Wireless LAN WiFi equipment installations
  - Rapid Deployment Installations
  - Hotspot applications
  - Protection of equipment from theft or damage
  - Test equipment
  - Remote controls
  - Medical devices
  - Scientific instruments
  - Alarm and security systems
  - Inventory control systems
  - City networks
  - Industrial
  - Lighting controls
  - SCADA systems
  - Telemetry systems



Model: FF141207

- General indoor and outdoor installations

100 Watt Cooling Capacity

14 x 12 x 7 inches

- Features:**
- Molded fiberglass reinforced polyester enclosure
  - Stainless steel quick release latches with padlock hasps
  - Fully gasketed raised lid
  - Integral mounting flange
  - IP55 rated\*
  - RoHS Compliant
  - Optional universal equipment shelf and mounting brackets available
  - Fully customized configurations available



IP55 rated



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### TACE™ Description

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#### The Box...

The standard box is a rugged weatherproof enclosure that is ideal for both indoor and outdoor applications. Constructed from molded fiberglass reinforced polyester, it is well suited for the factory floor. Insulated versions are available for high or low temperature environments.

A mounting flange is integrated into the box design that allows the enclosure to be easily wall mounted (any flat surface in any orientation).

The raised lid keeps the air conditioners from protruding deeply into the case and features a stainless steel continuous hinge. There are stainless steel quick release latches with padlock hasps. The lid is fully gasketed. The enclosure material is UV stabilized in machine tool gray. Without the air conditioners, the case has a NEMA 4X, IP65 rating.

Standard TACE™ enclosures are ideal for many applications but may be customized or enhanced to meet special requirements. Blank and prepared mounting plates are available. Mounting stand-offs inside the enclosure can be used for mounting plates when the box is insulated. Shelves allow for configuration in a variety of ways and watertight glands are available for passing wire and/or cable through the walls.

### Specifications

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<b>Enclosure Material</b>	Fiberglass Reinforced Polyester
<b>Enclosure Color</b>	Machine Tool Gray
<b>Weight</b>	9.0 lbs (4.1 kg)
<b>Outside Dimensions (max)</b>	15.5 x 13.5 x 7.7 inches (39.3 x 34.2 x 19.5 cm)
<b>Inside Dimensions</b>	13.5 x 11.5 x 5.8 inches (34.3 x 29.2 x 14.7 cm)
<b>Flame Rating</b>	UL 94-5V
<b>RoHS Compliant</b>	Yes

**\*Note:** Enclosure ports (Cable conduit connector and N-type holes for lightning protectors or connectors) must be properly sealed to maintain NEMA and IP ratings. See waterproof glands below.



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### Enclosure Accessories

Temperature Controllers	Description
	<p><b>Z31-A Single Set-Point Temperature Controller</b> is a compact (1/16<sup>th</sup> DIN) and easy to operate – simply set to cool or heat and select desired temperature. Carries up to 16 amps and includes 5 ft. NTC sensor.</p>
	<p><b>TLK38-S Dual Set-Point Temperature Controller.</b> Digital, dual set-point, microprocessor-based temperature controller with ON/OFF, Neutral Zone ON/OFF and PID control (with an AUTO-TUNING function) and two relay outputs. Typically output 1 for cooling (summer) and output 2 for warming (winter) 12V &amp; 24V versions available.</p>
<p><b>Pole Mount Kits</b></p>	
	<p><b>Small U-Bolt Kit for mounting</b> enclosure to 1-1/4" (31.7mm) to 2" (50.8mm) dia. poles. This kit replaces the existing HGX-PMT13 U-bolts. Kit includes (2) Mounting Rails and (2) U-Bolts and Hardware.</p>
	<p><b>Universal Pole Mounting Kit.</b> This kit is used to mount FF141207 or FF181608 series weatherproof enclosure to 2" (50.8mm) to 4" (101.6mm) Dia. Poles. For larger diameter poles, slots are provided in the rails for 1/2" (12.7mm) wide worm drive clamps. Kit includes (2) Mounting Rails and (2) U-Bolts and Hardware</p>
<p><b>Mounting Plate</b></p>	
	<p><b>Blank Aluminum Mounting plate</b> for use in the FF141207 NEMA enclosure. Plate Dimensions: 12.75 x 10.85 inch (324 x 275 mm) x 0.10 inch (2.5 mm) thick.</p>
<p><b>Shelf Kit</b></p>	
	<p><b>Universal Equipment Shelf.</b> Mounts to pre-drilled NEMA plate above. Includes (2) #6 Screws for securing shelf to mounting plate. Ideal for mounting free standing equipment routers, access points and wireless products as well as many others. Shelf dimensions: 7.5" Wide x 2.9" Deep (190.5 mm x 73.6 mm)</p>
<p><b>AMP Mount</b></p>	
	<p><b>Mounting bracket for Amplifiers, PoE Products and Power Supplies.</b> Mounts to optional pre-drilled NEMA plate. Hardware included.</p>



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### Waterproof Glands

FF-LTCC-PG13



**PG-13.5 Liquid-Tight Cable Conduit Connector.** For use with weatherproof enclosures, this liquid-tight cable conduit connector features neoprene seals, nylon construction and can accommodate cord dia. sizes from 0.236" to 0.472".

FF-LTCC-PG16



**PG-16 Liquid-Tight Cable Conduit Connector.** This liquid-tight cable conduit connector features neoprene seals, nylon construction and can accommodate cord dia. sizes from 0.394" to 0.551". The ASR-PG16 will pass an RJ45 connector.

### Insulation



The use of insulation is important in many applications, particularly with outdoor installations and when you want an internal case temperature below ambient. In order to have the enclosure air conditioners operate as effectively as possible, you want reduce the amount of heat passing through the walls of the enclosure. **Various XPS options available.**

### Custom Enclosures

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In addition to our standard and insulated TACE™ enclosures, we can custom manufacture enclosures based on customer requirements. Other popular sizes include 14"x10"x4" and 18"x16"x8". Please note that some custom enclosures require a minimum quantity purchase.

Suitable for installations from the Middle East to the Arctic...  
and anywhere in-between.