



Firefly 6™ Series



Model: TACE™ 100W 14x12x7

Air Conditioned & Weatherproof Enclosure

Applications and Features

- Applications:**
- Remote Wireless LAN WiFi and WiMax installations
 - Indoor and outdoor installations
 - Rapid Deployment Installations
 - Corrosive environments
 - Hotspot applications
 - Protection of equipment from theft or damage



Features:



- Molded fiberglass reinforced polyester enclosure
- 100 Watts (343 Btu/hour) of cooling capacity
- Stainless steel quick release latches with padlock hasps
- Fully gasketed raised lid
- Integral mounting flange
- NEMA Type 4X / IP55 rated*
- RoHS Compliant
- Optional universal equipment shelf and mounting brackets available
- Fully customized configurations available



Additional applications for TACE™ 100W 14x12x7 temperature controlled enclosures include test equipment, remote controls, medical devices, scientific instruments, alarm, security and surveillance systems, inventory control systems, city networks, industrial, lighting controls, SCADA systems, telemetry systems and more.

Thermoelectrically Air Conditioned Enclosure (TACE™) is a trademark of Advanced Thermoelectric, all rights reserved

ADVANCED THERMOELECTRIC MFG · 8 Pearl Street · West Lebanon, NH 03784 USA
 sales@electracool.com (603) 888-2467 · fax (603) 724-6740

Copyright ©2009-2011 by ADVANCED THERMOELECTRIC, all rights reserved.



Firefly 6™ Series

Model: TACE™ 100W 14x12x7

Product Description

The Box...

The 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 high temperature or corrosive environments. The mounting flange allows it to be wall mounted as well as on a flat surface. The raised lid features a stainless steel continuous hinge and stainless steel quick release latches with padlock hasps. The raised lid is fully gasketed. The enclosure material is UV stabilized and comes in machine tool gray.

Two 50 Watt air conditioners provide 100 Watts of active cooling without compressors or gasses. Our TACE™ 100W enclosure is designed so that fans can be easily replaced by a technician, in place, and without affecting the cooling section of the assembly. Obviously there is some redundancy though at diminished capacity.

The FF141207 is also ideal for custom applications, which may require special modifications to the enclosure. Mounting stand-offs inside the enclosure can be used for mounting plates. Blank mounting plates are available in the accessories section below.

Specifications

Cooling Capacity	100 Watts (343 Btu/hour) Max
Enclosure Material	Fiberglass Reinforced Polyester
Enclosure Color	Machine Tool Gray
Weight	9.0 lbs (4.1 kg)
Outside Dimensions (max)	15.5 x 13.5 x 7.7 inches (39.3 x 34.2 x 19.5 cm)
Inside Dimensions	13.5 x 11.5 x 5.8 inches (34.3 x 29.2 x 14.7 cm)
Flame Rating	UL 94-5V
RoHS Compliant	Yes
Ratings*	NEMA 4X / IP55

***Note:** Enclosure ports (Cable conduit connector and N-type holes for lightning protectors or connectors) must be properly sealed to maintain NEMA 4X / IP55 rating.

All specifications, data and drawings are subject to change without notice

ADVANCED THERMOELECTRIC MFG · 8 Pearl Street · West Lebanon, NH 03784 USA
sales@electracool.com (603) 888-2467 · fax (603) 724-6740






Copyright ©2009-2011 by ADVANCED THERMOELECTRIC, all rights reserved.



Firefly 6™ Series

Model: TACE™ 100W 14x12x7

Enclosure Accessories

Mounting Brackets			
Part Number	Description		
 TLZ10-12V	<p>TLZ10 is a compact, microprocessor driven temperature controller great for simple applications where maintaining a single temperature is desired. Set to cool or heat up to 16 amp loads Dimensions: 1/16th DIN, Front Panel 35x75 mm, depth 64 mm</p>		
 FF-LRG-Mount-Kit	<p>Universal Large Pole Mounting Kit. 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:</p> <ul style="list-style-type: none"> • (2) Mounting Rails • (2) U-Bolts and Hardware <p>For poles 1-1/4" (31.7mm) to 2" (50.8mm) dia. the HGX-PMT07 (2 required) can be used with this kit.</p>		
 FF-SM-Mount-Kit	<p>Small Pole U-Bolt Kit for mounting enclosure to 1-1/4" (31.7mm) to 2" (50.8mm) dia. poles. This kit replaces the existing HGX-PMT13 U-bolts. Kit includes (1) zinc plated steel U-Bolt and hardware. Note: (2) HGX-PMT07 kits are requires for use with the HGX-PMT13 kit.</p>		
 FFMount-Plate 1	<p>Blank Aluminum Mounting plate for use in the FF141207 NEMA enclosure. Plate Dimensions: 12.75 x 10.85 inch (324 x 275 mm), .10 inch (2.5 mm) Thick</p>		
 FFShelf Kit	<p>Universal Equipment Shelf. Mounts to pre-drilled NEMA plate. Includes (2) #6 Screws for securing shelf to mounting plate. Shelf dimensions: 7.5" Wide x 2.9" Deep (190.5 mm x 73.6 mm)</p>		




ADVANCED THERMOELECTRIC MFG · 8 Pearl Street · West Lebanon, NH 03784 USA
 sales@electracool.com (603) 888-2467 · fax (603) 724-6740

Copyright ©2009-2011 by ADVANCED THERMOELECTRIC, all rights reserved.



Firefly 6™ Series

Model: TACE™ 100W 14x12x7

Accessories			
Part Number	Description		
FF-LTCC-PG13 	PG-13.5 Liquid-Tight Cable Conduit Connector. For use with HyperLink 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 a RJ45 connector.		
FF-92mm Ext Fan 	Waterproof (IP55) Fan - Exterior Replacement. 12 Volt (7-13.2 Volt DC), 2800 RPM, 63.7 CFM, 3.0 mm-H ₂ O, 230 mA, 2.76 Watt, 75,000 Hr MTBF, 37.5 dB (A)		

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

Additional Enclosure Models

In addition to the enclosure shown we can configure enclosures in an various sizes and cooling capacities in both 12 and 24V DC configurations including standard boxes in a smaller 14"x10"x4" and larger 18"x16"x8" enclosure.

Custom Enclosures

In addition to our standard enclosure products, Firefly 6™ can custom manufacture enclosures based on customer requirements. Previous projects have included enclosures deployed to the Middle East, South America and Europe as well as here in the United States. Our Enclosures may be used in extreme environmental installations. Please note that our custom enclosures require a minimum quantity purchase. If you have a project with a requirement for a substantial number of custom enclosures please contact us to discuss your project and requirements

ADVANCED THERMOELECTRIC MFG · 8 Pearl Street · West Lebanon, NH 03784 USA
 sales@electracool.com (603) 888-2467 · fax (603) 724-6740

Copyright ©2009-2011 by ADVANCED THERMOELECTRIC, all rights reserved.