

# Installation Instructions

## MODEL NUMBERS: AAT-AWM-H



The AAT-AWM-H enclosure is a wall-mounted enclosure that comes with mounting brackets for two 48 port patch panels, and 3U mounting rails for active equipment. Mounting positions are included for a 110 pair termination block (not included). Also included is fiber optic cable management and a bracket for a six-port fiber optic adapter panel. The 48 port patch panel mounting brackets can be rotated for access to the rear of the panels.

*Note: This enclosure, its mounting, and all connections, electrical and communication, must be installed according to all local and state codes.*

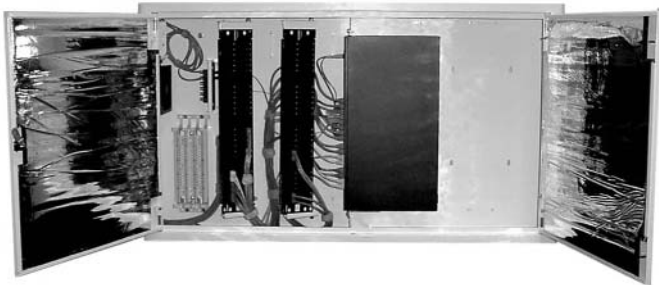
### ■ Assembly Components

1 ea. - Wall-Mount Enclosure  
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### ■ Optional Equipment

Available as optional equipment are the following easily installed accessories:

1. 3U mounting brackets to replace the 2U standard brackets.
2. Additional fiber optic adapter brackets. These brackets can be stacked one on another.
3. Additional 3U active equipment mounting rails.



### STEP 1

#### Opening the Shipping Box and Removal of the Enclosure

- Prepare a location for the inspection and of the enclosure. Remove the enclosure from the shipping box and inspect for shipping damage. Read all the installation instructions before beginning.

### STEP 2

#### Mounting Position

- On the rear wall of the enclosure are 8 mounting holes. Choose a mounting position that will allow use of these holes. If spacing requirements make additional or other holes necessary remove all customer equipment from the enclosure before drilling or cutting new holes. Select hardware in accordance with any local and state requirements. The weight of the empty enclosure with doors installed is 59.5 pounds. Mounting hardware installed by the customer must support the enclosure weight plus additional weight of equipment, cables, conduit, and hardware. The mounting position should allow access to electrical and communications cables. The fan opening and ventilation louvers must not be blocked when installing the enclosure. A minimum of 2 inches must be maintained around the enclosure.

### STEP 3

#### Mounting the Enclosure

1. The AAT-AWM-H enclosure can be mounted without the doors installed. By lifting the spring pins on each door the doors can be removed to reduce the weight of the enclosure. Take care not to damage the finish of the door, the sheet metal, or the insulation of the door. Prepare a place to put the doors when removed.
2. When reinstalling the doors make sure the spring hinge pins are fully engaged in the nylon bushings before supporting the weight of the doors on the pins. Rotate and lock the doors to check for alignment when reinstalling both doors.

### STEP 4

#### Equipment Mounting

1. Two 2U equipment mounts are standard on the left side of the enclosure. The tapped holes use 12-24 screws that are standard with most equipment. Tension on the bracket is provided by a 10-32 locking nut on the side of the bracket assembly. The bracket will slide to unlock from the locking pin and rotate for access to the rear of a mounted patch panel. Once equipment is installed the 10-32 tension nuts can be tightened to prevent movement.

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### **STEP 5**

#### **Electrical and Communication Cable Connection**

1. On the outside perimeter of the AAT-AWM-H are knockouts for 1/2" to 1-1/2" conduit. All electrical and communication connections must be made in accordance with all local and state building and electrical codes.
2. A steel electrical junction box is located next to the fan. A threaded grounding hole is located inside the box. Knockouts on the outside of the AAT-AWM-H will allow either 1/2" or 3/4" fittings to be installed directly into the junction box.
3. The ventilation fan installed in this enclosure is 120VAC powered.
4. A grounding stud with nut and washer is located beneath the fan for grounding the enclosure shell. Two grounding screw holes are located on the fan body on the back corner of the fan in the corner of the enclosure.

### **STEP 6**

#### **Operation and Maintenance**

1. The AAT-AWM-H enclosure is a steel enclosure with a baked on powder coat finish. It can be cleaned with mild soap and a damp cloth. Do not use harsh solvents to clean the painted finish.
2. Disconnect power before servicing this equipment.
3. Regular maintenance is minimal for the enclosure. The filter for the fan in the inside of the enclosure is held in place by snap-on plastic ring. Remove the retaining ring and rinse the filter element when needed for optimum air flow. Replace the filter element and ring when dry.

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