PDI-773-IND-B & 772-IND-B
CENTRAL POWER SUPPLY

INSTALLATION INSTRUCTIONS

This symbol is intended to alert the user that parts inside the product are a risk of electric shock to persons.

This symbol is intended to tell the user that important operating and servicing instructions are included with this product.

THIS INSTALLATION SHOULD BE MADE BY A QUALIFIED SERVICE PERSON AND SHOULD CONFORM TO ALL LOCAL CODES. DO NOT ATTEMPT THIS INSTALLATION WITHOUT AN ASSISTANT.

IMPORTANT OPERATING INSTRUCTIONS

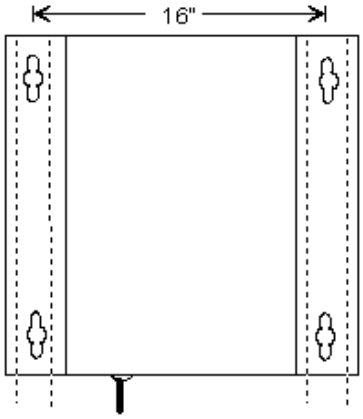
TURN OFF UNIT WHEN SERVICING! The supply is turned ON and OFF by plugging or unplugging the power cord plug at the AC wall outlet.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

DO NOT USE THIS SUPPLY WITH AN EXTENSION CORD.

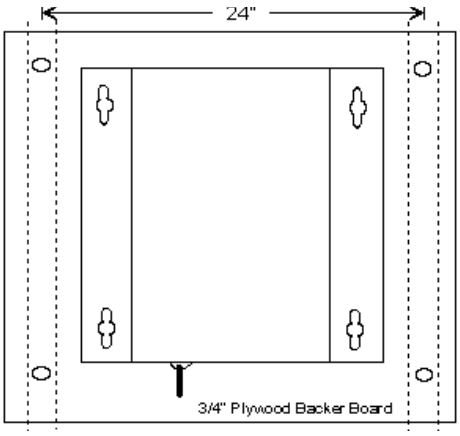
DO NOT COVER VENTILATION GRILLS ON CABINET. ALWAYS close front door of unit when is use.

16” Wall Stud Installation



1. Using a 5/32” Allen wrench, install mounting angle irons on enclosure sides (three places) using ¼-20 screw provided.
2. Do Not install this power supply in a drop ceiling or other air restricted space. The central power supply is designed to mount on a wall constructed with wall studs spaced at 16” intervals. Verify the location of the wall studs and mark. The supply should be positioned near a dedicated 20 Amp AC wall outlet.
3. Center the supply on the wall with the keyed mounting holes positioned over the wall stud centerlines. The supply is fan cooled and requires clearance at the top and sides of the enclosure.
4. Drill and install four, ¼-20 toggle bolts at each of the mounting holes locations.
5. Mount the central power supply over the ¼-20 bolts and tighten.

24” Wall Study Installation



1. Using a 5/32” Allen wrench, install mounting angle irons on enclosure sides (three places) using ¼-20 screw provided.
2. Fashion a plywood backing board to fit the 24” wall stud dimensions of your installation.
3. Center the supply on the board and trace the mounting hole positions onto the plywood.
4. Drill 5/16” holes in the backing board at the marked positions.
5. Turn the backing board over and install ¼-20 T-Nuts in each hole. Tap T-Nuts firmly into the plywood board.
6. Drill four mounting holes into the plywood backing board. Position the holes to match wall study width.
7. Mount the backing board to the wall studs using ¼” (minimum) diameter toggle bolts.
8. Position the central power supply on the backing board while an assistant threads ¼-20 bolts with lock washers into the backing board T-Nuts.
9. Tighten all bolts.

CATV WIRING & OPERATION

NOTE TO CATV SYSTEM INSTALLER: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

COAX CABLE SPECIFICIATION: Due to long cable runs encountered in hospital installations, coaxial cable employing a solid copper center conductor and copper shield is required. Cable run lengths MUST NOT exceed 150 feet. Required coaxial cable numbers include Alpha 9804C (non-plenum), Belden 9248 (non-plenum), West Penn 806 (non-plenum), or West Penn 25806 (plenum), which have been tested with coax line-powered televisions. USE OF ANY OTHER CABLE NUMBER IS NOT RECOMMENDED.

DESCRIPTION
This is a specialized power supply intended for use with multiple installations of commercial 9" or similar hospital television receivers. This unit will provide both AC power and RF cable TV signal via a coaxial cable to a remotely located television.

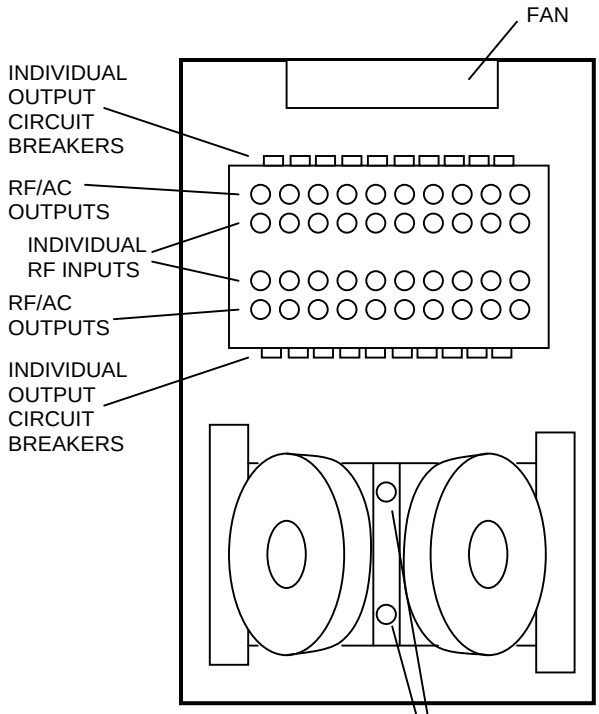
RF SIGNAL INPUT
The individualized RF inputs are useful for connection to RF interdiction types of CATV equipment often used to provide tiered programming.

A nominal CATV signal level of 0 to 10 dbmv should be provided to each of the RF IN connectors located near the center of the RF/AC Distribution Box. Signal levels should no exceed 10 dbmv or co-channel RF leakage may occur on adjacent outputs.

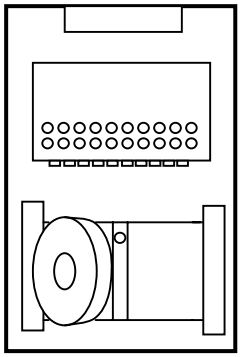
RF/AC OUTPUT
Knockouts located on the cabinet's sides and top is provided for routing of the coax into the box.

Individual circuit breaker protections are provided for each output and are located along the top and bottom of the RF/AC Distribution Box.

AC MAIN CIRCUIT BREAKERS
Two AC main circuit breakers are provided on the model PDI-773-IND-B as shown to provide input protection and are located between the transformers. Note the model PDI-772-IND-B is provided with one AC main circuit breaker.



PDI-773-IND-B


PDI-772-IND-B

IMPORTANT SAFETY INSTRUCTIONS

This central power supply has been manufactured and tested for your safety in mind. However, improper use can result in shock or fire hazards. Please read and observe these safety points when installing and using your central power supply, and save them for future reference.

1. Do not use attachments not recommended by the manufacturer as they may result in the risk of fire, electric shock, or injury to persons.
2. Unplug this central power supply from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this central power supply near water, for example, near a washroom, bathroom, laundry room, other like. Do not use this supply outdoors.
4. This central power supply should be mounted per the manufacturer's instructions. See the reverse side of this instruction sheet for mounting instructions.
5. Do not use this central power supply on a cart.
6. Slots and openings in the cabinet are provided for ventilation, and to ensure reliable operation of the supply and to protect from overheating, these openings must not be blocked.
7. Do not place this central power supply inside an oxygen tent or oxygen chamber. Such use may cause a fire.
8. This central power supply should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your health care facility, consult your television dealer or local power company.
9. This supply is provided with an electrical grounding type plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type outlet.
10. Follow all warnings and instructions marked on the central power supply.
11. For added protection for this central power supply when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the CATV cable input.
12. An outside antenna system should not be located in the vicinity of power lines or other electric light or power circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might prove fatal.
13. Do not overload wall outlets with extension cords as this can result in fire or electric shock.
14. Never push objects of any kind into this power supply through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the central power supply.
15. Do not attempt to service this central power supply yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to a PDI Communication Systems distributor or directly to the factory.
16. Unplug this central power supply from the wall outlet and refer servicing to qualified service personnel under the following conditions.
    a. When the power cord or plug is damaged or frayed.
    b. If liquid has been spilled into the supply.
    c. If the supply has been exposed to rain or water.
    d. If the supply does not operate normally.
    e. If the supply has been dropped or the cabinet has been damaged.
    f. When the supply exhibits a distinct change in performance - this indicates a need for service.
17. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or injury to persons.
18. Upon completion of any service or repairs to this central power supply, ask the service technician to perform routine safety checks to determine that the supply is in safe operating condition.