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INSTRUCTION MANUAL

KEPCO™

ENCLOSURES AND HARDWARE SYSTEMS

RA-24
RACK ADAPTER

GENERAL DESCRIPTION (Refer to FIG. 1)

The Kepco Model RA-24 RACK ADAPTER accepts Kepco "quarter-rack" and "half-rack" power supplies and can be mounted either permanently or by means of chassis slides, into a standard (19") rack. The RA-24 bottom shelf is predrilled for the mounting hole patterns of the installed Kepco supplies. The mounting is accomplished by using coarse-threaded (8-18) flat-head screws through the bottom shelf of the RA-24 into the nylon expansion bushings on the Kepco Power Supplies. The RA-24 Rack Adapter occupies 5¼ inches of vertical space in the standard 19-inch equipment rack. The rear panels of the mounted power supplies are readily accessible when mounted onto the RA-24 for wiring to and from the equipment. Optional accessory components for the RA-24 Rack Adapter include BLANK FILLER PANELS, designed to occupy unused front panel spaces in the RA-24 Rack Adapter, CUTOUT PANELS to adapt Kepco unmetered equipment for installation into the RA-24 Rack Adapter and a FILLER SUPPORT BRACKET to mount under the RA-24 Rack Adapter if the total load exceeds 75 lbs. (See page 4 for further details).

The Kepco Model RA-24B RACK ADAPTER is identical to the Model RA-24, except its bottom shelf is blank for custom installations (front row of mounting holes for Kepco Filler Panels are provided).

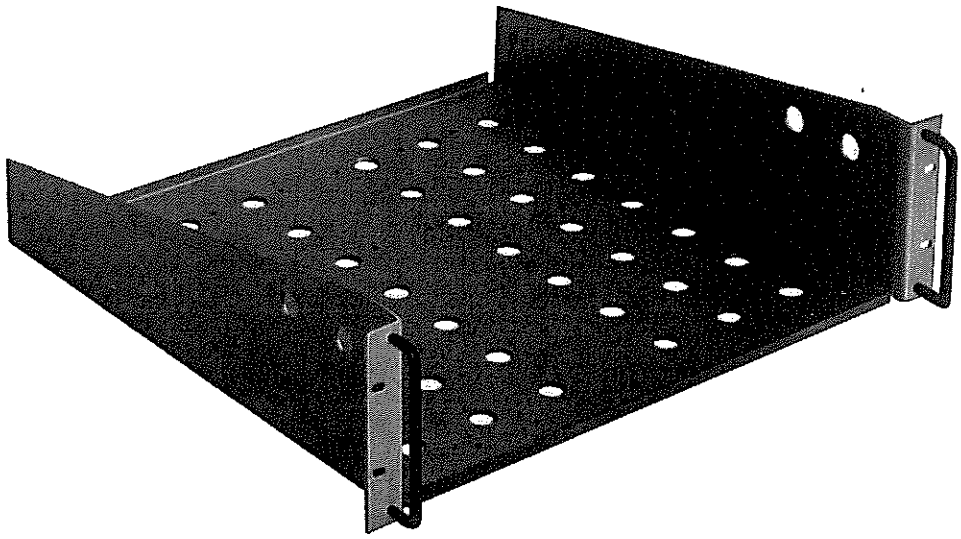


FIG. 1 KEPCO MODEL RA-24 RACK ADAPTER (MODEL RA-24B HAS A BLANK BOTTOM SHELF FOR CUSTOM INSTALLATIONS).

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INSTALLATION OF THE RA-24 INTO THE EQUIPMENT RACK

The Kepco Model RA-24 Rack Adapter may be rigidly mounted to the equipment rack, or it can be mounted with chassis slides. The front flanges of the RA-24 are drilled for standard (2¼") mounting hole dimensions while the sides are drilled and tapped for "JONATHAN" slides (See FIG. 3).

INSTALLATION OF KEPCO EQUIPMENT INTO THE RA-24 RACK ADAPTER (Refer to FIG. 2)

The bottom shelf of the RA-24 Rack Adapter is predrilled for mounting a maximum of either two (2) half-rack or four (4) quarter-rack models. A variety of mounting configurations are possible, some of which are indicated in FIG. 2. Unused front panel spaces in the RA-24 can be covered with (optional) filler panels, listed in the ACCESSORY paragraph. Heavy loads (above ≈ 75 lbs.) should be supported by horizontal brackets across the bottom surface of the RA-24. Suitable support brackets, which mount directly under the lower front edge of the RA-24, can be obtained from Kepco. (See ACCESSORY paragraph).

INSTALLATION OF KEPCO EQUIPMENT INTO THE RA-24B RACK ADAPATER (Refer to FIG. 2)

The bottom shelf of the RA-24B Rack Adapter is blank, except for the front holes, used to install Kepco Filler Panels. All other mounting and ventilating holes must be drilled by the customer.

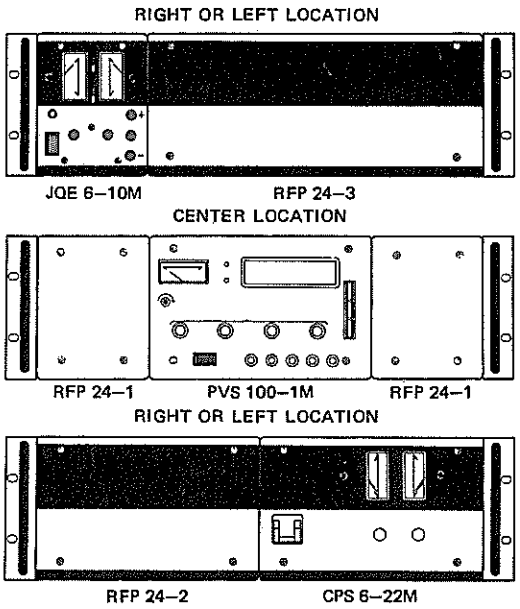


FIG. 2 SAMPLE MOUNTING CONFIGURATIONS.

INSTALLATION PROCEDURE.

1) Prepare the equipment to be installed by removing the bottom feet, side brackets and bail if so equipped.
2) Refer to FIG. 3 "Mechanical Outline Drawing". The "Installation Table" in FIG. 3 lists the Kepco equipment which can be installed into the RA-24 and the associated mounting hole pattern.
3) Use four (4) of the supplied mounting screws per unit to be installed and fasten unit to the RA-24.

NOTE: *The mounting screws are 8/18 x 5/8" coarse threaded flat-head screws which mate through the bottom shelf of the RA-24 with the plastic expansion bushings on the bottom of each Kepco unit.*

4) Install (optional) filler panels, filler support brackets and chassis slides as required. The mounting holes for these components are identified in the "Installation Table" in FIG. 3.

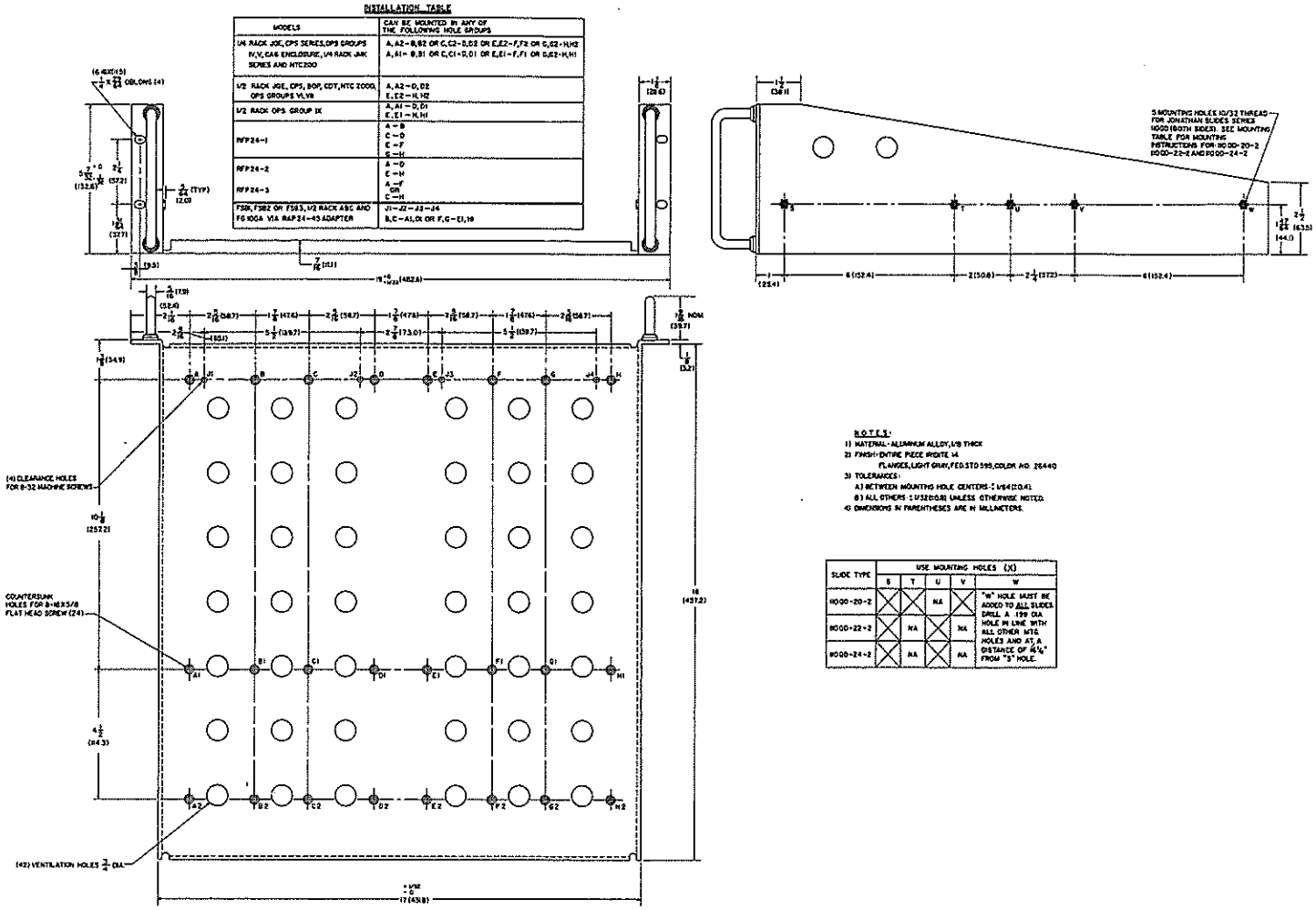


FIG. 3 MECHANICAL OUTLINE DRAWING.

NOTE: *Models RA-24 and RA-24B have identical mechanical dimensions. The shelf bottom of the Model RA-24B is blank, except for holes A, J1, B, C, J2, D, E, J3, F, G, J4 and H, used for Kepco Filler Panels. (refer to "Installation Table".)*

AVAILABLE ACCESSORIES (NOT SUPPLIED, SEE FIG. 4)[1]

a) KEPCO FILLER PANELS. These panels are mounted into pre-threaded holes on the bottom shelf of the RA-24. They are designed to cover unused front panel spaces in the rack adapter:
   1) KEPCO MODEL RFP 24-1 FILLER PANEL (ONE SPACE).
   2) KEPCO MODEL RFP 24-2 FILLER PANEL (TWO SPACES).
   3) KEPCO MODEL RFP 24-3 FILLER PANEL (THREE SPACES).

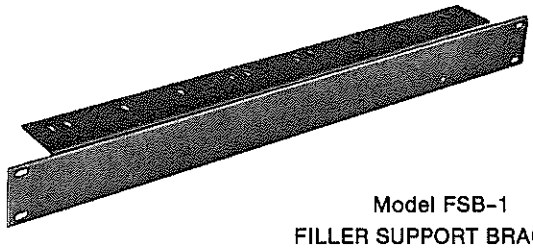
b) KEPCO CUTOUT PANELS. These panels are mounted onto Kepco's **meterless** equipment modules to prepare them for installation into the rack adapter:
   1) KEPCO MODEL RAP 24-1 PANEL ADAPTER (FOR ¼ RACK CPS MODELS).
   2) KEPCO MODEL RAP 24-1J PANEL ADAPTER (FOR ¼ RACK JQE MODELS).
   3) KEPCO MODEL RAP 24-2 PANEL ADAPTER (FOR ½ RACK CPS MODELS).
   4) KEPCO MODEL RAP 24-2B PANEL ADAPTER (FOR ½ RACK BOP MODELS).
   5) KEPCO MODEL RAP 24-2J PANEL ADAPTER (FOR ½ RACK JQE MODELS).
   6) KEPCO MODEL RAP 24-45 PANEL ADAPTER (FOR ABC AND FG MODELS).

c) KEPCO FILLER SUPPORT BRACKETS. These brackets should be used whenever the total load in an RA-24 exceeds 75 lbs:
   1) KEPCO MODEL FSB-1 FILLER SUPPORT BRACKET (1¾" High).
   2) KEPCO MODEL FSB-2 FILLER SUPPORT BRACKET (3½" high).
   3) KEPCO MODEL FSB-3 FILLER SUPPORT BRACKET (5¼" high).

SUPPLIED ACCESSORIES

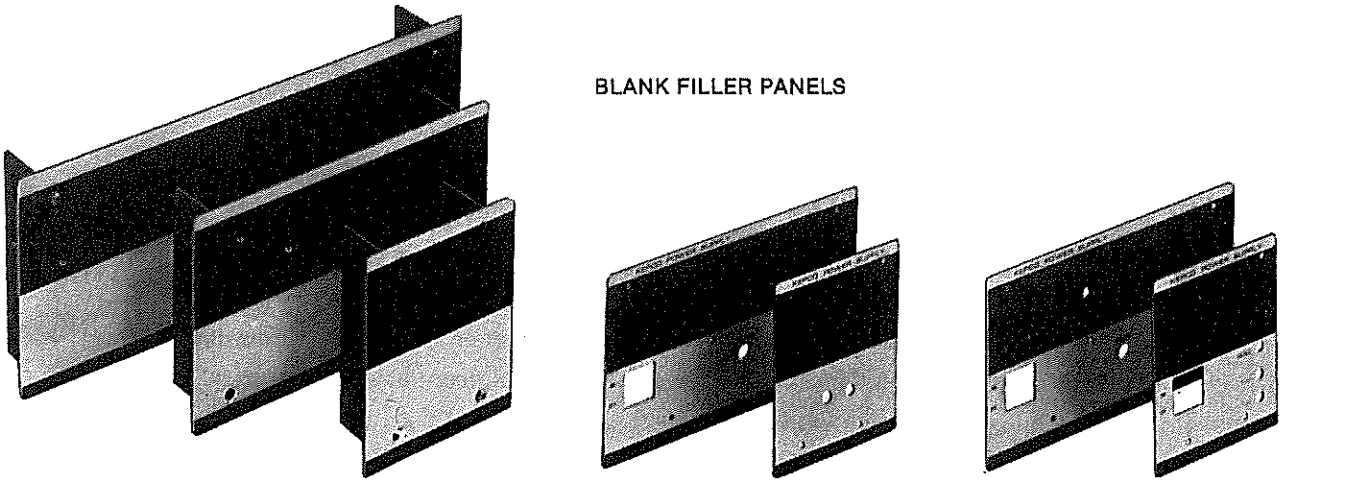
(16) 8-18 x 5/8, self-tapping, flat-headed screws, for mounting up to four (4) units to the RA-24 Rack Adapter.

[1] All listed accessories for the Model RA-24 are equally suitable for the Model RA-24B.



Model FSB-1
FILLER SUPPORT BRACKET

BLANK FILLER PANELS



Model RFP 24-3 | Model RFP 24-2 | Model RFP 24-1 | Model RAP 24-2J | Model RAP 24-1J | Model RAP 24-2 | Model RAP 24-1

FIG. 4 OPTIONAL ACCESSORIES FOR THE RA-24 RACK ADAPTER.

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