

INSTRUCTION MANUAL



KEPCO

RA-41

ENCLOSURES AND HARDWARE SYSTEMS

GENERAL DESCRIPTION (Refer to FIG. 1)

The Kepco Model RA-41 RACK ADAPTER was designed to accommodate the Kepco Model ADR-4 Relay Adapter and accepts Kepco "quarter-rack", "half-rack" and "three-quarter rack" equipment (See Table in Fig. 3. The RA-41 can be mounted, either permanently or by means of chassis slides, into a standard (19") rack. For full enclosure, when mounted with the ADR-4 Relay Adapter, the minimum rack dept must be 30 inches. The RA-41 bottom shelf is predrilled for the mounting hole patterns of the Kepco power supplies to be installed. The mounting is accomplished by using coarse-threaded (8-18) flat-head screws through the bottom shelf of the RA-41 into the nylon expansion bushings on the Kepco equipment to be mounted. The RA-41 Rack Adapter occupies 7 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-41 for wiring to and from the equipment. Optional accessory components for the RA-41 Rack Adapter include BLANK FILLER PANELS, designed to occupy unused front panel spaces in the RA-41 Rack Adapter and the Kepco Model ADR-4 Relay Adapter.

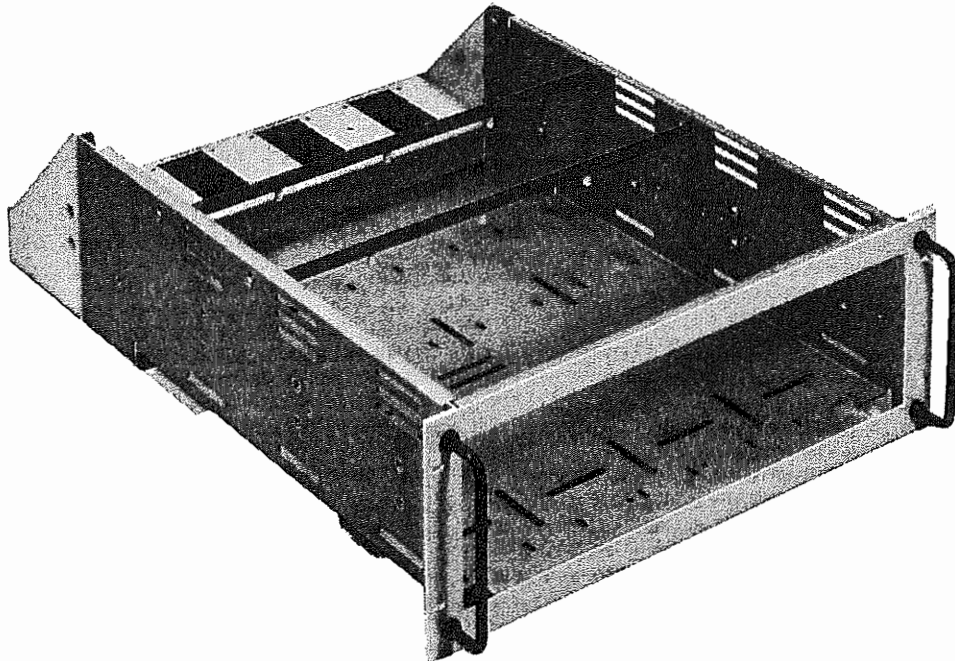


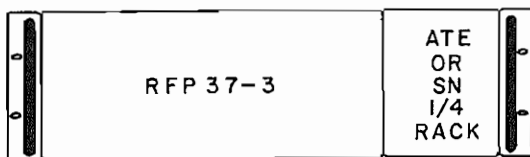
FIG. 1 KEPCO MODEL RA-41 RACK ADAPTER, SHOWN WITH
OPTIONAL ADR-4 RELAY ADAPTER

INSTALLATION OF THE RA-41 INTO THE EQUIPMENT RACK

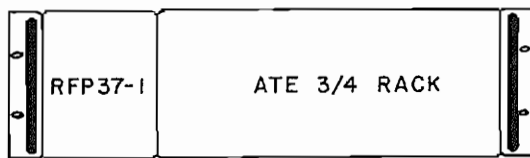
The Kepco Model RA-41 Rack Adapter may be rigidly mounted to the equipment rack, or it can be mounted with chassis slides. The front flanges of the RA-41 are drilled for standard (2 1/4") mounting hole dimensions, while the sides are drilled and tapped for "JONATHAN" slides (See FIG. 3).

INSTALLATION OF KEPCO EQUIPMENT INTO THE RA-41 RACK ADAPTER (Refer to FIG. 2)

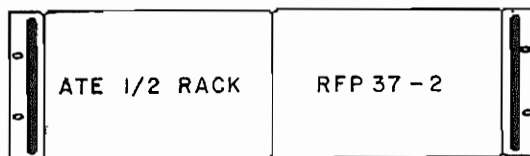
The bottom shelf of the RA-41 Rack Adapter is predrilled for mounting three-quarter rack, half-rack and quarter-rack models. A variety of mounting configurations are possible, some of which are indicated in FIG's. 2 and 3. Unused front panel spaces in the RA-41 can be covered with (optional) filler panels, listed in the ACCESSORY paragraph. The (optional) ADR-4 Relay Adapter is mounted at the rear of the RA-41 Rack Adapter as indicated in FIG. 3. The mounting holes are indicated in the table of FIG. 3.



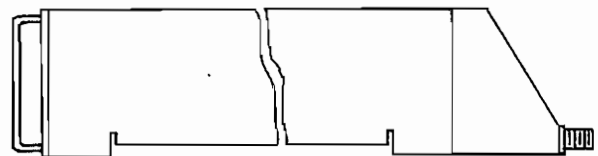
RIGHT OR LEFT LOCATION
1/4 RACK UNITS



RIGHT OR LEFT LOCATION
QUARTER RACK AND THREE-QUARTER RACK UNITS



RIGHT OR LEFT LOCATION
1/2 RACK UNITS



RA-41 RACK ADAPTER WITH ADR-4
RELAY ADAPTER, SIDE VIEW

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 "Kepco Model" table in FIG. 3. lists the Kepco equipment which can be installed into the RA-41 and the mounting hole pattern associated with each model.
- 3) Use four (4) of the supplied mounting screws per unit to be installed and fasten unit to the RA-41.

NOTE: The mounting screws are 8/18 x 5/8" coarse threaded flat-head screws which mate through the bottom shelf of the RA-41 with the plastic expansion bushings which are installed on the bottom of each Kepco unit.

- 4) Install (optional) filler panels and chassis slides as required. The mounting holes for these components are identified in the "Kepco Model" table in FIG. 3.
- 5) Install the (optional) Kepco Model ADR-4 Relay Adapter in the rear of the RA-41 Rack Adapter as indicated in FIG. 3, using the mounting holes listed in the "Kepco Model" table.
- 6) Locations A3, B3 and C3 in the (2) SUPPORT BRACKETS are used for insertion of plastic spacers (6 supplied). These spacers are used to maintain the correct distance between the installed equipment. Depending on the type of equipment mounted, from two to six spacers are used. Example: If four 1/4 rack units are installed, all six spacers are used as shown in FIG. 3, if two 1/2 rack units are mounted, only the B3 spacers are used and so on.

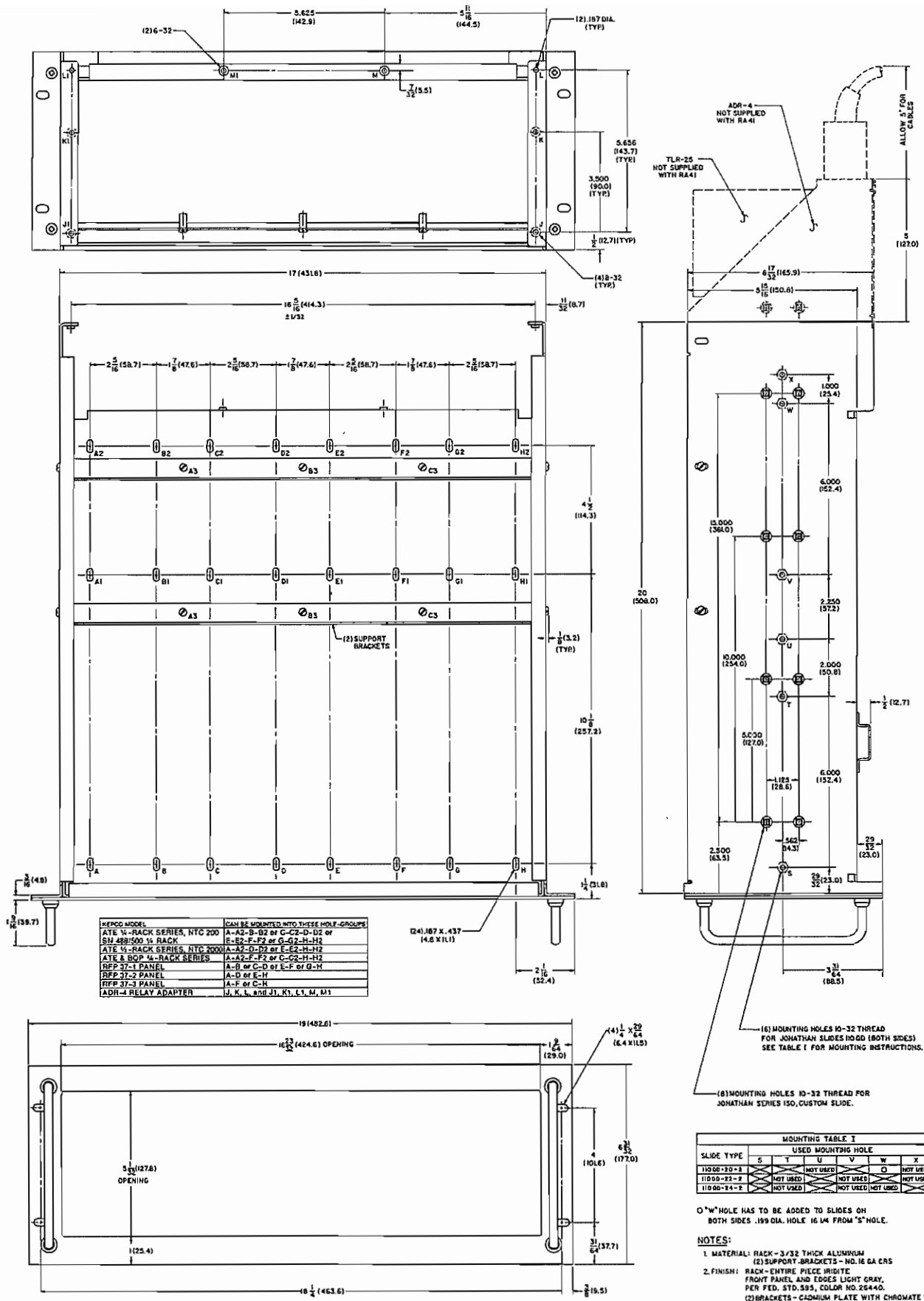


FIG. 3 MECHANICAL OUTLINE DRAWING, KEPCO MODEL RA-41 RACK ADAPTER.

AVAILABLE ACCESSORIES (NOT SUPPLIED, SEE FIG. 4)

a) KEPCO FILLER PANELS. These panels are mounted into pre-threaded holes (See "Kepeco Model" table in FIG. 3) on the bottom shelf of the RA-41. They are designed to cover unused front panel spaces in the rack adapter:

- 1) KEPCO MODEL RFP 37-1 FILLER PANEL (ONE SPACE).
- 2) KEPCO MODEL RFP 37-2 FILLER PANEL (TWO SPACES).
- 3) KEPCO MODEL RFP 37-3 FILLER PANEL (THREE SPACES).

SUPPLIED ACCESSORIES

(16) 8-18 x 5/8, self-tapping, flat-headed screws, for mounting up to four (4) units to the RA-41 Rack Adapter.

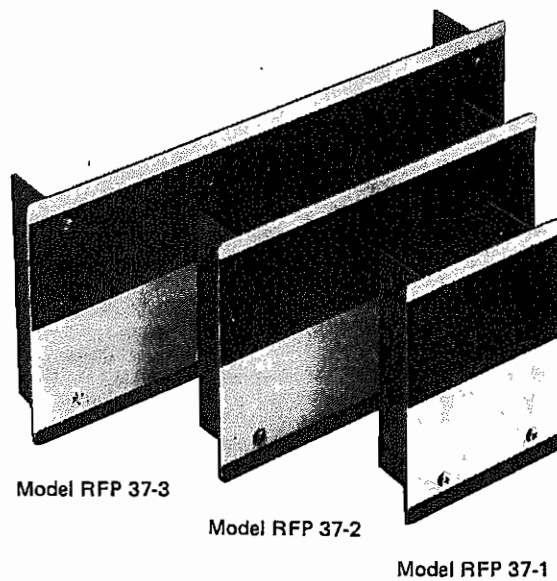


FIG. 4 OPTIONAL ACCESSORIES FOR THE RA-41 RACK ADAPTER.