

INSTRUCTION MANUAL



KEPCO An ISO 9001 Company.

RA 40
RACK SYSTEM

ENCLOSURES AND HARDWARE SYSTEMS

DESCRIPTION. The Kepco Model RA 40 Rack Adapter is designed for the installation of Kepco Switching Power Supplies into a standard 19-inch Rack. In order to accommodate the various models, mounting brackets (not supplied with the RA 40 rack adapter) are required. The mounting brackets are first attached to the power supplies, which are then attached to the front and rear rails of the model RA 40 Rack Adapter.

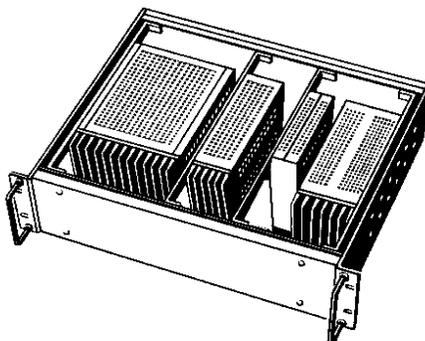


FIGURE 1. KEPCO MODEL RA 40 RACK ADAPTER SHOWN WITH POWER SUPPLIES MOUNTED

INSTALLATION The Kepco Model RA 40 Rack Adapter may be bolted permanently into a standard 19-inch rack. It can be placed onto a rack-shelf, or it may be installed with slides. The front flanges are drilled for standard (2-1/4 inch) mounting hole distances. The sides of the Model RA 40 Rack Adapter are drilled for "Jonathan" slides (Refer to Figure 2, Mechanical Outline Drawing).

CAUTION: Since many Kepco Switching Power Supplies are convection cooled devices, sufficient airflow around the installed power supplies and around the rack adapter must be provided (1/4 in. minimum). Ambient temperature checks on the completed installation should be compared with the specified ambient temperature ratings of the power supplies, generally 50° C without derating, up to 70° C with output current derating (see power supply instruction manual). Heatsink or case temperatures on the installed power supplies must not exceed specified limits.

First remove the front and rear covers of the RA 40 rack adapter, then install the power supplies by using applicable mounting bracket (Table 1). Mounting hardware and installation instructions are provided with the mounting brackets.

TABLE 1. MOUNTING BRACKETS REQUIRED TO INSTALL POWER SUPPLIES IN RACK ADAPTER

| POWER SUPPLY MODELS | MOUNTING BRACKET MODEL NO. | POWER SUPPLY MODELS | MOUNTING BRACKET MODEL NO. |
|--|----------------------------|----------------------------------|----------------------------|
| ERD (30W, 60W, 150W) | RAB 39-40ERD | RAX (50W, 100W, 175W, 300W) | RAB 39-40RAX |
| ERX (30W, 60W, 120W) | RAB 39-40X | RAX (1500W) | RAB 40-RCW1500 |
| FAW (50W, 100W, 150W) | RAB 39-40FAW | RCW (350W, 750W) | RAB 39-40RCW |
| FCP (3W, 10W) | RAB 39-40FMP | RCW (1500W) | RAB 40-RCW1500 |
| FMP (3W, 10W) | RAB 39-40FMP | RKW (300W) | RAB 39-40RKW3 |
| KRW (350KV, 351KV, 352KV) * | RAB 39-40MRW | RKW (30W, 50W, 100W, 150W, 600W) | RAB 39-40RKW6 |
| MRW (150/151KV **, 160/161KV ***, 170/171KV ***) | RAB 39-40MRW | RKW (1500W) | RAB 40-RKW1500 |

* Series KRW requires case CA 29 (supplied separately) for mounting in RA 39 or RA 40 rack adapters.
 ** Series MRW 150/151KV requires case CA 19 (supplied separately) for mounting in RA 39 or RA 40 rack adapters.
 *** Series MRW 160/161KV and MRW 170/171KV require case CA 20 (supplied separately) for mounting in RA 39 or RA 40 rack adapters.

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