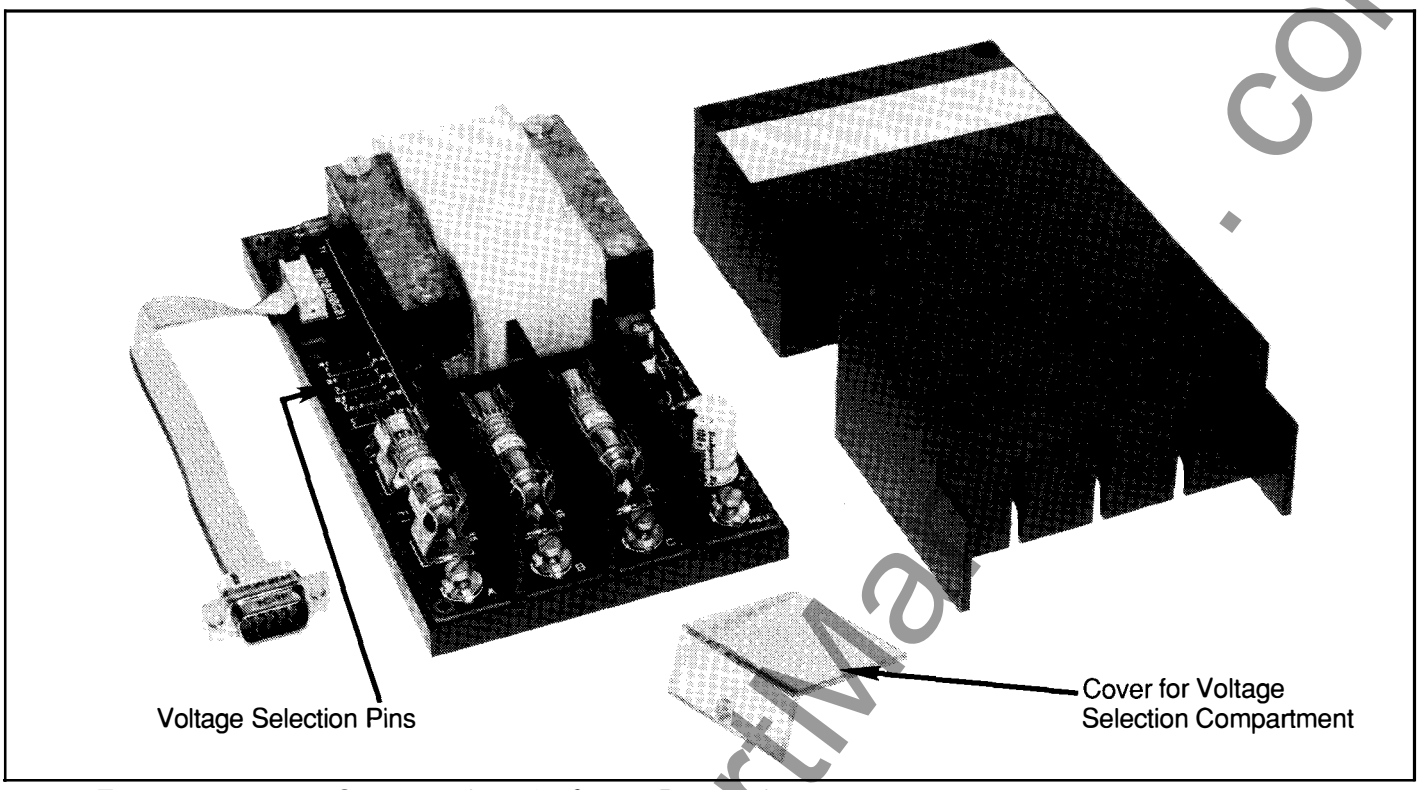

Fig. 3 Three-Phase Power Supply Module with Covers Removed

VOLTAGE SELECTION JUMPER (PINS)

Input to the three-phase power supply module must be limited to not more than 600 volts, nominal. For lines at higher voltages use a step-down potential transformer. Insert the jumper located in the voltage selection compartment at the voltage to be supplied to the module:

DESIGNATION	VOLTAGE RANGE
460/575 V	425 to 660 VAC
380/415 V	270 to 432 VAC
208/220/240 V	170 to 272 VAC
120 V	96 to 154 VAC

Those pins not covered by the jumper are live parts when the power module is energized!

Keep the cover for the voltage selection compartment in place with the #4-40 flat head screw supplied whenever the module is energized.

OPERATION CHECK

After installing the power module, completing all the electrical connections and replacing covers, apply power and check the IQ metering device for proper operation.

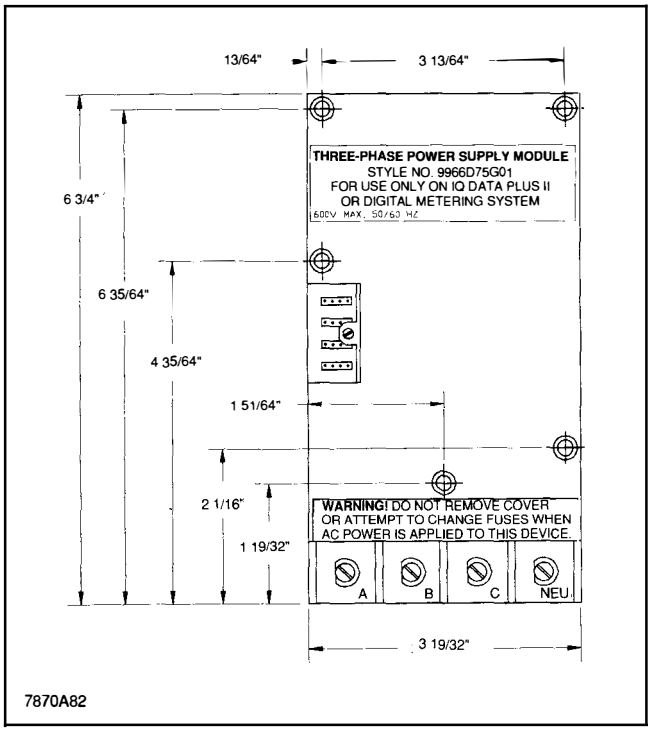

Fig. 4 Screw Locations

RECOMMENDED CONNECTIONS
Use copper conductors only. #14 AWG Red or Black for AC Tighten to 7 lb.-in.

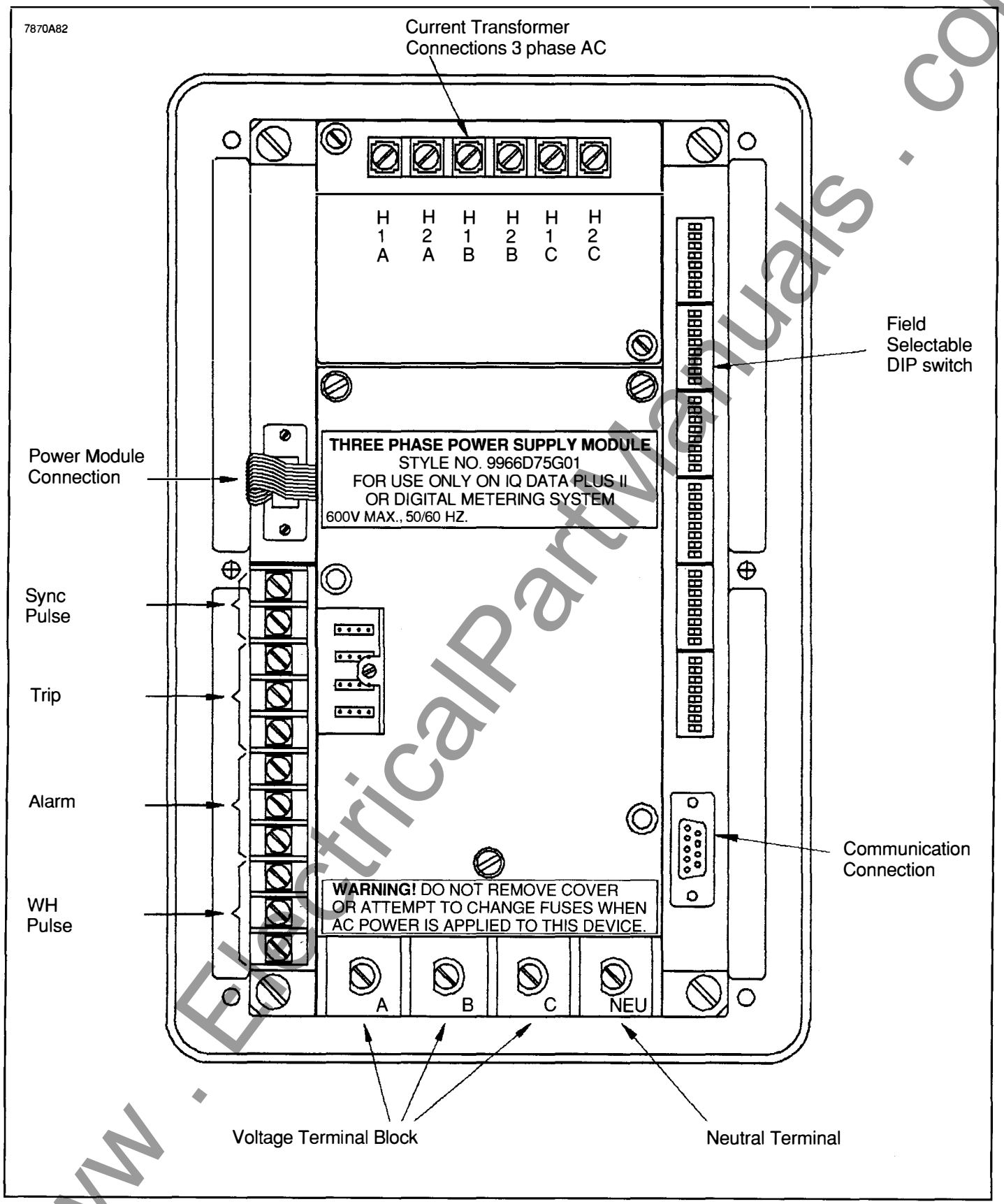

Fig. 5 IQ DATA PLUS II with Three-Phase Power Supply Module Installed

Westinghouse Electric Corporation
Electrical Components Division
875 Greentree Road
Pittsburgh, PA 15220

Instructions for Three-Phase Power Supply Module

I.L. 17285

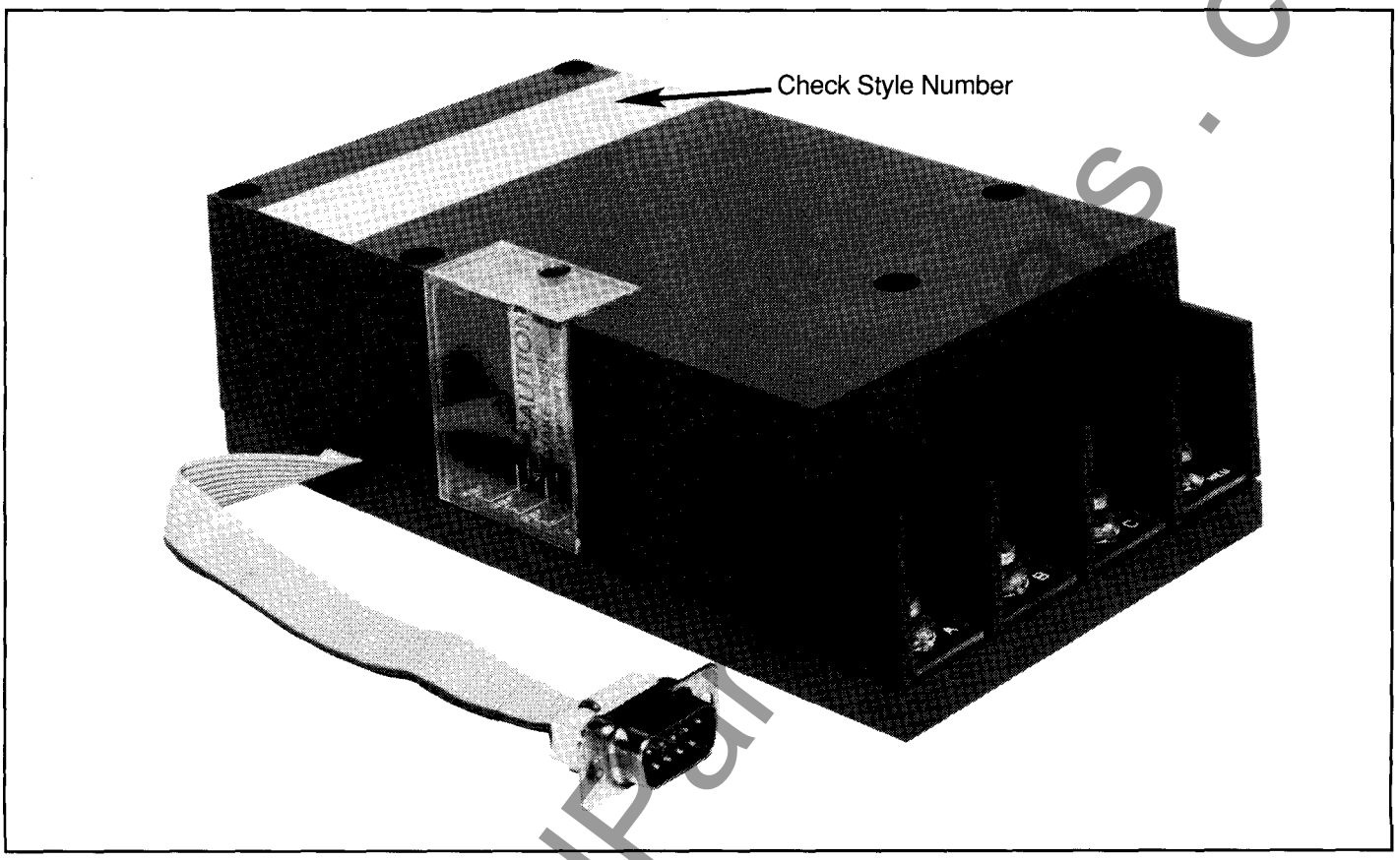

Fig. 1 Three-Phase Power Supply Module

THE MODULE

Three-phase power supply modules are offered in two styles (9966D75G01 and G02) for the specific applications shown in Table I. If a power module is used with an IQ metering device other than as shown, equipment damage will result. The appropriate power module will permit an IQ DATA, IQ GENERATOR, IQ DATA PLUS or IQ DATA PLUS II to be powered from the 50 or 60 hertz lines being monitored. The three-phase power module is used in lieu of a separate 120 or 240 VAC power supply.

TABLE I — MODULE APPLICATIONS

Style No. 9966D75G01 is a replacement for style 5281C55G02 power module.*

Style No. 9966D75G02 is a replacement for style 5281C55G03 power module.*

Style No. 9966D75G02 may also be used with:

IQ Metering Device	Style No. with Power Module Originally	Style No. w/o Power Module Originally
IQ DATA	2D78533G03	2D78533G01
IQ GENERATOR	2D78533G04	2D78533G02

*Supplied on IQ DATA PLUS and IQ DATA PLUS II metering devices.

INSTALLATION

This device is designed to be installed, operated, and maintained by adequately trained workmen. These instructions do not cover all details, variations, or combinations of the equipment, its storage, delivery, installation, check-out, safe operation, or maintenance. Care must be exercised to comply with local, state, and national regulations, as well as safety practices, for this class of equipment.

REMOVING EXISTING POWER MODULE

If an existing power supply module is being replaced, disconnect all power to the IQ metering device including power to the relay contacts of the metering device where applicable. Label and remove each wire connected to the old power module. Unscrew the plug lock assembly (see Figure 2) on the ribbon cable to the IQ metering device and

REMOVING EXISTING POWER MODULE (cont.)

disconnect the cable plug. Remove the two mounting screws that hold the power module in position.
CAUTION: Be prepared to support the power module once the screws have been removed.

MOUNTING TO AN IQ METERING DEVICE

Use two mounting screws to attach the power module to the back of the IQ device as shown in Figure 2. Connect terminals A, B, C and NEU to the three-phase lines and neutral being monitored under the feeder tap rules of Article 240, National Electrical Code. Insert the ribbon cable plug into its receptacle and tighten the plug lock screws.

WARNING

Failure to disconnect the module and its associated metering device prior to installation or changing jumpers or fuses may result in severe injury or death.

REMOTE MOUNTING

The three-phase power supply module may be panel mounted separate from the IQ metering device by using the 36 inch long extension cable 7871A40G02 (cable must be ordered separately) which has a plug at one end and a socket at the other. Use the power module as a drilling template for the two #8-32 mounting screws. Complete the electrical connections as described above.

FUSES

The three-phase power supply module is supplied with three Class CC fuses rated 3/4 ampere, 600 VAC as shown in Figure 3. These current-limiting fuses have an interrupting rating of 200,000 amperes, rms symmetrical. Remove the three cover screws to gain access to the fuses.

REPLACEMENT FUSES

Class CC, Buss Type KTK-R-3/4, or equivalent.

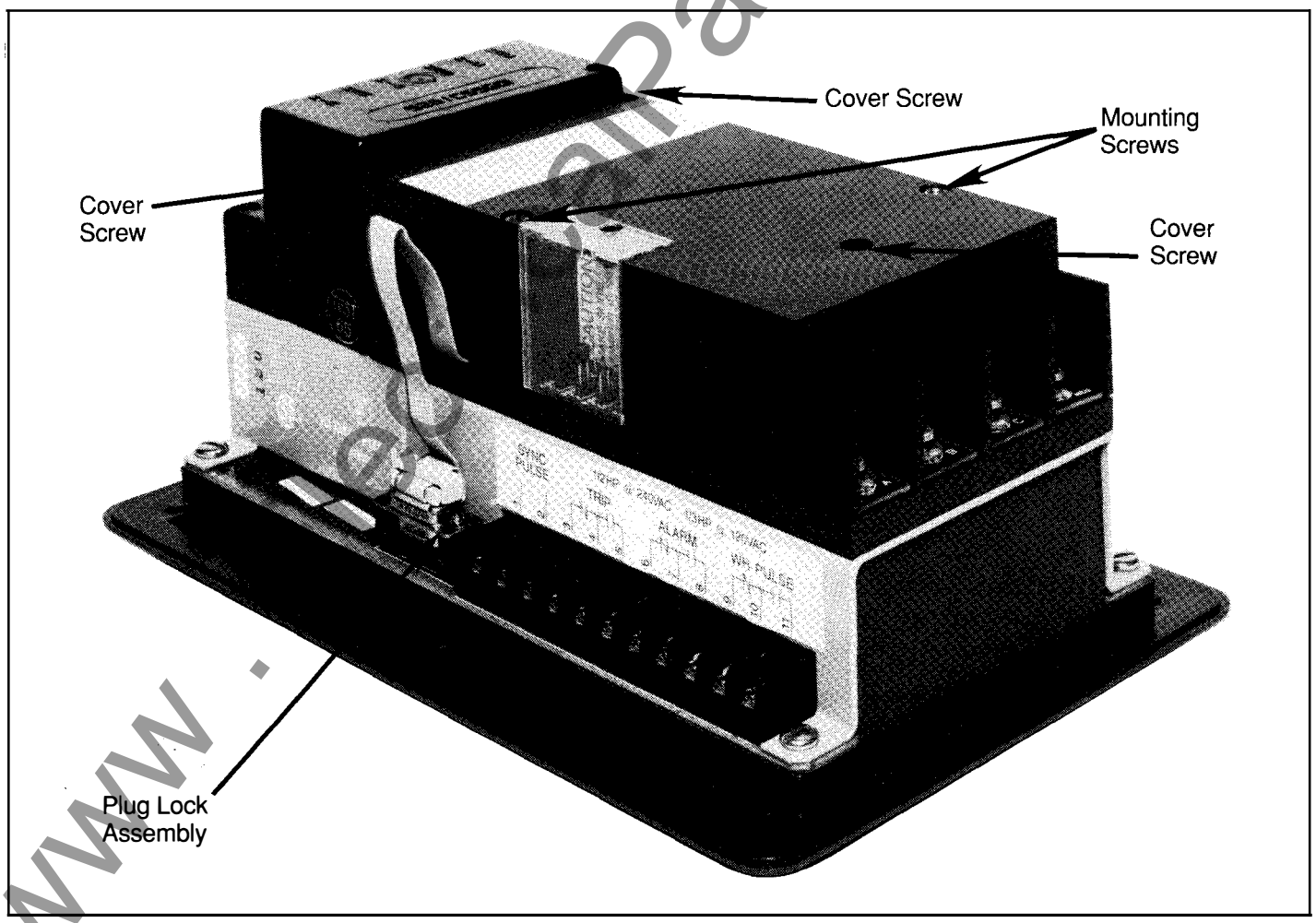

Fig. 2 Three-Phase Power Supply Module Mounted on an IQ DATA PLUS II