

This manual insert describes MOD UB as it applies to the TEKTRONIX TM 515 Power Module. A 16-line interface bus is added from the center compartment to a rear-panel 24-pin connector. The TM 515 MOD UB plug-in center compartment is keyed for the programmable CG 551AP plug-in unit only (when installed, the CG 551AP will occupy compartments 1, 2, and 3).

GPIB Connectors. The TM 515 MOD UB Power Module is modified for the programmable CG 551AP plug-in unit. This instrument meets the requirements set by the IEEE Standard 488-1975. The center compartment of the Power Module is wired for the GPIB through interface pin connections 14A and 14B through connections 22A and 22B. There is a plastic barrier on the center interface socket between pins 13 and 14. This barrier prevents the inadvertent insertion of non-programmable instruments.

Pin out assignments for the GPIB leads at the interface socket for the center compartment are shown in Figure 1. Connector contact assignments for the cable connector on the rear of the Power Module correspond to those called for in 4.3 of IEEE 488-1975. (See Figure 1.)

If non-programmable instruments are to be used in the TM 515 MOD UB, it will be necessary to disconnect the GPIB wiring to the interface socket. The plastic barrier between pins 13 and 14 should be removed from that socket. It is advisable to install another plastic barrier in the interface socket to match the family notch on the non-programmable instrument being used.

CAUTION

Care should be taken to prevent any accidental shorting of disconnected connector leads.

Power Restrictions. Certain combinations of high-power, TM 500 instruments operated at their maximum ratings could activate the thermal cut-out in the power-supply circuitry, shutting the TM 515 MOD UB off when the operating temperature exceeds 40°C, ambient.