



Power Distribution & Control Model 400 Modem, P/N MDM-97

General Description: Power Distribution & Controls Model 400 modem meets the CALTRANS Traffic Signal Control Equipment Specifications (TSCES) dated January 1989.

Modem Performance Specifications:

Data Rate: 300 and 1200 baud

Modulation: Phase coherent FSK

The MDM-97 has been designed, according to the CALTRANS specifications, for use in either half duplex (two wire) or full duplex (four wire) operation. This option is switchable on the board.

The Power Distribution & Control model 400 modem (MDM-97) uses a phase locked loop (PLL) technique. Using this method a PLL locks to the incoming frequency shift keying (FSK) frequencies and produces two different DC error voltages corresponding to the two frequencies at the phase detector output. These voltages when compared to a reference voltage determine if the frequency that produces them are MARK or SPACE frequencies.

Power Distribution & Control's model 400 modem (MDM-97) includes the anti-streaming feature which prohibits a malfunctioning host from continuously applying modem carrier to a system of interconnected modems, thus effectively removing itself and allowing the rest of the system to function normally. With the anti-streaming activated, a continuous true RTS signal will be ignored after approximately 7 seconds. The RTS signal will be ignored until it is fully removed and then reapplied.

Warranty: as with all Power Distribution & Control products there is a full two year warranty for parts and labor on PDC's model 400 (MDM-97) modems.

For more information please contact Power Distribution and Controls Sales Office at Phone # (916) 786-2957, Fax # (916) 786-2950. Or send for information at P.O. Box 7172, #205 Stateline, NV 89449.

