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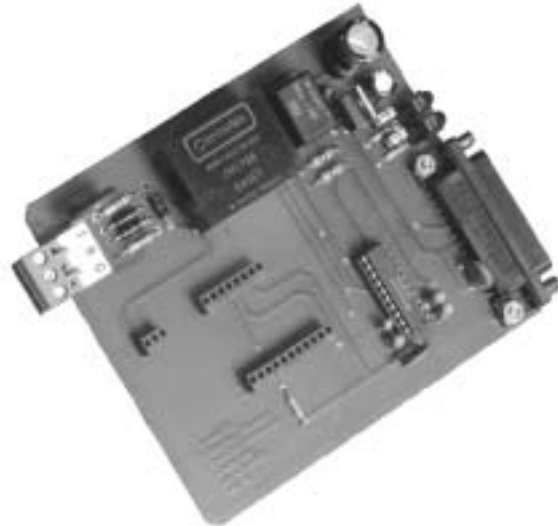
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INSTRUCTION INFORMATION FOR THE G-9632 DIAL-UP MODEM

- * 12 Vdc POWER FROM DTE PORT
- * V.32bis 14.4KBPS or 2400BPS MODEM
- * FULL-DUPLEX
- * AUTO-ANSWER, AUTO-DIAL
- * STANDARD 'AT' COMMAND SET



GENERAL

The G-9632 Dial-Up Modem is an auto-answer, auto-dial, 14.4KBPS OR 2400BPS modem with a DB-25 DCE connector on one end and a screw terminal connector on the other for telephone line termination. The G-9632 derives its power from the DTE port of the intelligent device through the DB-25 connector on pins 9 and 10. The G-9632 provides no case and is designed to be a part of other systems. LEDs are provided for indicating activity on the TD and RD data lines.

The G-9632 Dial-Up Modem has positions for both the Cermetek CH1786 2400BPS modem and the Ceremetek CH1793 14.4KBPS modem. This allows the G-9632 to be easily upgraded in the field since both provide sockets. Extended temperature ranges are available for either modem taking the range to -40°C to +85°C by adding an "ET" to the end of the part number.

The G-9632 utilizes the standard 'AT' command set plus additional commands as defined by the OEM modem manufacturer. A copy of this command set is included with the modem.

SPECIFICATIONS

Physical:

3.94"W x 4.50"L x .9"H
6 ounces, approximately

Compatibility:

CCITT V.32bis 14.4KBPS Sync/Async
CCITT V.32 9.6KBPS Sync/Async
CCITT V.22bis 2400BPS Sync/Async
CCITT V.22 1200BPS Sync/Async
Bell 212A and Bell 103
FAX: CCITT V.29, V.27ter, V.21, T.3,
T.4, T.30, and EIA 578, class 1
Error Correction: CCITT V.42 MNP 2-4
Data Compression: CCITT V.42bis MNP5

(Specifications continued)

Data Format: 14.4KBPS - 1200BPS:
7 data bits; 1 or 2 stop bits; odd, even, or fixed parity
8 data bits; 1 or 2 stop bits; no parity

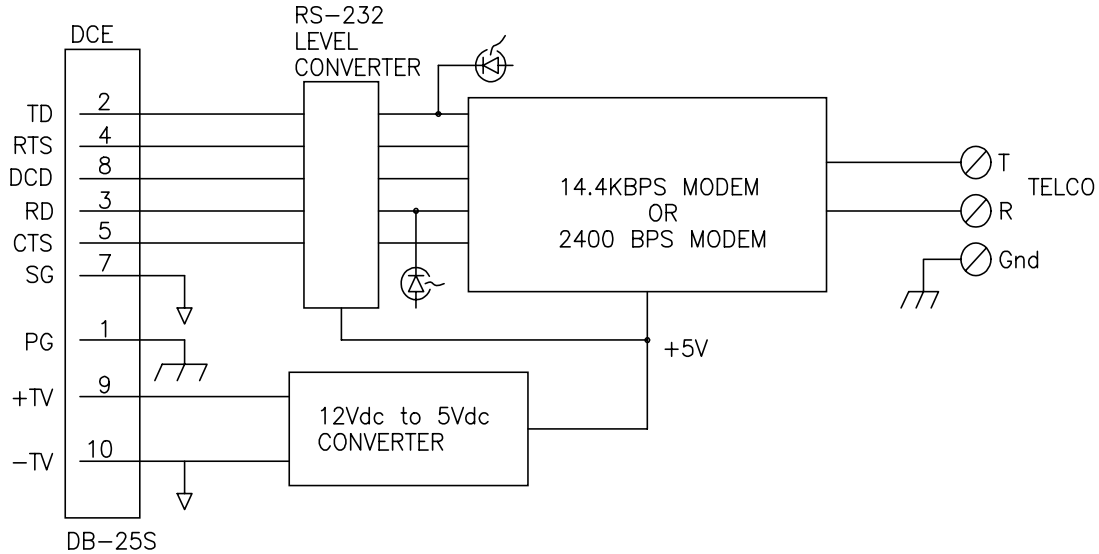
Operation: Full Duplex, Dial-Up

Transmit Level: -9 dBm, +/-1 dBm

Receive Sensitivity: -45 dBm

Operating Temperature:
0 to +50°C, standard, 14.4KBPS modem
-40° to +85°C, extended, 14.4KBPS modem
-20° to +70°C, standard, 2400BPS modem
-40° to +85°C, extended, 2400BPS modem

Power Supply:
+12 Vdc at 25 mA, maximum for 14.4KBPS modem
+12 Vdc at 15 mA, maximum for 2400BPS modem
Telephone interface:
IEEE surge tested to C37.90



**G-9632 DIAL-UP MODEM
Block Diagram**



DA-TEL RESEARCH COMPANY, INC.
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For more information about Da-Tel Research Company and our products, contact:

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**Equipment and/or components purchased through Da-Tel but manufactured by other companies are covered under the warranties of those manufacturers.*

NOTICE

As of the date of this printing, the specifications for the G-9632 in this Instruction Information sheet apply to all G-9632 Dial-Up Modems, except as indicated. Because all Da-Tel products are continually being refined and improved, these specifications are subject to change without notice.

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