

LLM1100

BELL 202 / CCITT V.23 1200 BAUD MODEM



Data-Linc Group's LLM1100 is a Bell 202 (CCITT V.23 optional) 1200 baud modem. It can be easily configured for simplex (bit mode), half-duplex and full-duplex operation. The LLM1100 is designed to be used on private, leased non-switched telephone lines or any dedicated two-conductor wire (twisted or untwisted, shielded or unshielded).

The LLM1100 is microprocessor-based—when the carrier shuts off, data bit errors are eliminated. This reduces retransmissions for trouble-free PLC communications. The LLM1100 also incorporates a unique data sense carrier control feature that eliminates the need for RTS/CTS control on multipoint Remotes.

The LLM1100 easily interfaces with most PLCs, RTUs, PCs. The LLM1100 supports RS-232 interface.

The LLM1100 has a range of 20 miles (32 km) on any ordinary wire pair or unlimited on loaded telephone company voice grade (VG-6) leased lines or equivalent.*

*Dependent upon wire size and line quality

FEATURES

- Long-range data communication via frequency shift key (FSK) simplex, half- and full-duplex modem
- Ideal for non-switched private wire (spare pair) or leased telephone lines or any dedicated wire pair*
- Two or four wire operation
- Seamless interface with most PLCs, RTUs and PCs
- Easily field configured or factory pre-configured for your application
- Transmits up to 20 miles (32 km) on unloaded lines or unlimited range on loaded lines*
- Point to point or multidrop
- Data sense carrier control feature

APPLICATIONS

- Extended communications over private or leased telephone lines
- Compatibility with Bell 202 or CCITT V.23 modems

Please contact us to discuss your specific industrial data communication needs.

LLM1100 SPECIFICATIONS

Range

Up to 20 miles (32 km) on unloaded lines or unlimited range on loaded lines¹

Serial Data Interface

Protocol. RS-232, 10 or 11-bit asynchronous

Throughput. 300, 600, 1200 Baud

Flow Control. RTS control or DSCC (Data Sense Carrier Control)

Serial Connector DB-9 female

Carrier Interface

Protocol Bell 202, CCITT V.23 (Bell 202 default)

Carrier Connector Removable Terminal Block

Operation Modes²

Point-to-Point, Point-to-Multipoint.

Two wire / Four wire.

Simplex, Half-Duplex and Full-Duplex (Full-Duplex requires four wires and Point-to-Point mode)

Power

Supply Voltage 11 - 24 VDC; 12 VDC wall mount transformer supplied with modem

Current: 60 mA @ 12 VDC

Power Connector Center Positive Barrel Jack or Removable Terminal Block

Operating Environment

Standard Temperature. 32° to 140° F (0° to 60° C)

Humidity. 0 to 95% non-condensing

Enclosure

18-gauge steel; 1.54 x 4.90 x 7.75 inches (3.9 x 12.4 x 19.7 cm) including mounting flanges

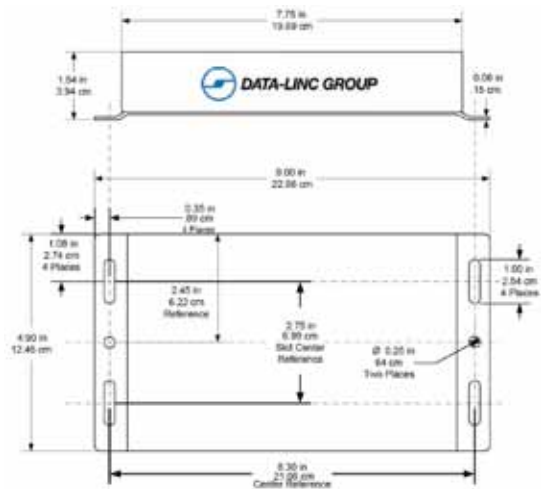
Weight

2 lbs (0.91 kg)

1 - Loaded lines require Telco VG-6 spec lines or equivalent. Line condition, size and noise will effect overall performance. Shielded wires should not be used. Line loss between any two devices in the network cannot be more than 16 dB.

2 - To help with the proper application of the modems, please provide your Data-Linc Group sales representative with a detailed diagram of the proposed application.

LLM1100 DIMENSIONS



ABOUT DATA-LINC GROUP

Since 1988, Data-Linc Group has provided reliable communication solutions for industrial automation systems. Data-Linc Group, an alliance partner with most major PLC manufacturers including Rockwell Automation, Siemens, Schneider Electric, GE Fanuc, and Omron, as well as others, provides a solution based approach thanks to its long-time experience with instrumentation and automation devices such as sensors, PLCs, HMIs, etc. Data-Linc's products use industry proven RF technologies that have been successfully applied in all major industries worldwide, including automotive plants, paper mills, consumer goods, manufacturing/packaging, oil & gas refineries and pipelines, utilities, moving platforms and transportation systems— under ground, off-shore and above ground, Data-Linc meets the challenge.

ALLIANCE PARTNERS



GE Fanuc



OMRON



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