Item	Name	Description
A	MEMORY LOCATION switch	Allows selection of one of three 10,000-byte memory partitions.
B	DATA VALID indicator	Indicates valid data in the memory location currently selected.
C	Infrared transmitters	Used to transmit messages, stored in the MEMORY LOCATIONS to signs.
D	DATA indicator	This indicator comes on whenever data is being sent or received via the serial port or the infrared transmitters.
E	BAT. LOW indicator	When lit, indicates that the battery should be replaced.
F	TRANSMIT button	When transferring a message from a PC into the Message Loader, pressing this button stores the message in the selected MEMORY LOCATION. When transferring a message from the Message Loader into a sign, pressing this button sends the message in the currently selected MESSAGE LOCATION, to a sign.
G	Serial port	Connects to any AlphaEclipse™ outdoor sign, or PC.

Serial/IR Message Loader

The Alpha Message Loader records and stores information from any Alpha LED display equipped with Alpha protocal or from a personal computer utilizing AlphaNET™ software. The recorded messages can then be downloaded (copied) into one or several other Alpha LED displays, regardless of size or model.

Using the Alpha Message Loader is only a short three-step process:

- *Enter messages into an Alpha LED display with remote keyboard or computer*
- *Transfer messages into the Message Loader*
- *Download messages into the target Alpha LED display with the push of a button. It's that simple!*

This unique capability eliminates the need to re-enter the same information into multiple models individually, saving valuable programming time and ensuring message accuracy and consistency. The Alpha Message Loader also eliminates the need for costly wiring and cable connections to message centers. It works with both indoor and outdoor message centers.

The Alpha Message Loader is ideal for:

- *Serial control of outdoor Alpha displays*
- *Convenient IR control of indoor Alpha displays*
- *Inexpensive alternative to wired networks*
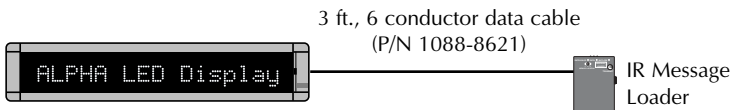- *Simple one-button message control*
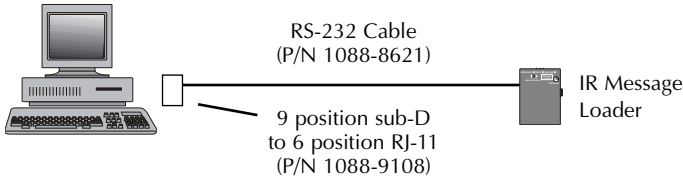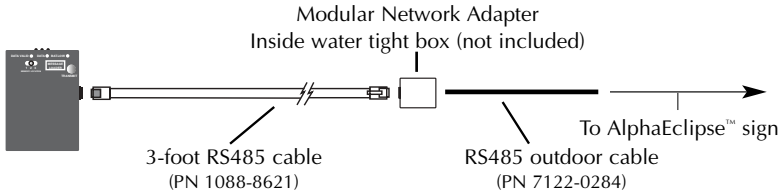
Standard Features

- *Especially convenient for use with outdoor displays where permanent wired connections are not available*
- *Automatically programs Alpha LED indoor displays with IR capability or outdoor AlphaEclipse displays via serial RS485 connection*
- *Three-position switch allows for easy selection of message groups*

- *Eliminate wiring costs - sign networks can be constructed without the need for cables. Simply download new messages with the Alpha Message Loader.*
- *Convenient - downloads message files to a sign with the push of a button. No cable to connect.*

- *Message files can be created using either AlphaNET™software or a standard Alpha keyboard*
- *Flexible - stores three different message file groups of up to 10K each*

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Message Loader Specifications

Height:	5.75 in. (146.05 mm)
Width:	3.60 in. (91.44 mm)
Depth:	1.12 in. (28.45 mm)
Weight:	8.00 oz. (226.8 g)
Power:	9V battery
Memory Capacity:	30,000 characters (3, 10K partitions)
Memory Retention:	2-4 months typical with a new battery

Data Cable Length:	3 ft. standard (91.4 cm/.914 m)
Battery Transmission Life:	800,000 characters with a new battery. Note, transmitting messages to a sign will reduce the battery memory retention life. For heavy use applications it is recommended that the battery be replaced monthly
Date Transfer Rate Input: Serial/IR Output:	9600/4800/2400/1200 baud (bits per second) 2400 baud (bits per second)
Compatibility:	Operates with LED displays equipped with Alpha protocol. *Does not transmit actual time of day or date

Message Loader Operating Instructions

Indoor Alpha Displays Transferring (uploading) messages from an indoor Alpha LED display to the IR Message Loader	3 ft., 6 conductor data cable (P/N 1088-8621) ALPHA LED Display — IR Message Loader
Connection to PC Transferring messages from a computer (using AlphaNET for Windows software to IR Message Loader)	RS-232 Cable (P/N 1088-8621) 9 position sub-D to 6 position RJ-11 (P/N 1088-9108) IR Message Loader
IR Message Transfer Transferring (downloading) messages from the Message Loader to an LED display with IR capabilities.	ALPHA LED Display No cable connection is needed IR Message Loader
Serial Wired Message Transfer Transferring messages to AlphaEclipse outdoor displays only	Modular Network Adapter Inside water tight box (not included) 3-foot RS485 cable (PN 1088-8621) RS485 outdoor cable (PN 7122-0284) To AlphaEclipse™ sign

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