® Light Engineered Displays, Inc.
Graphic Annunciators * Water Leak Detection
Fireman's Smoke Control Panels * ARA Systems
109 Portwatch Way Wilmington, N.C. 28412 Phone: (800) 251-2512 Fax: (800) 251-9878
Internet: www.ledinc.com Email: sales@ledinc.com

Frequently Asked Questions

MNS SERIES

MASS NOTIFICATION SYSTEM SERIES

READ THIS PRIOR TO INSTALLATION

1. What is the maximum distance for RS-485 communications ??

a. Maximum distance will depend on the wire gauge, wire quality and the baud rate. A slower baud rate will increase the maximum distance. For the MNS Series, using the recommended data cable at 18 gauge and the default setting of 9600 baud, the maximum will distance will be 4000'

2. Can the data cable from multiple signs be home-run to the controller ??

a. No.. The data cable must be routed in a "daisy-chain" manner. Individual home runs, T-taps and parallel connections will have problems that result from reflected signals canceling active signals, thus some signs will simply not operate.

3. How are the signs powered ??

a. Power at each sign should be 115 VAC, 60 Hz. Use an EXIT sign circuit branch as this is usually a protected circuit and is often connected to the building emergency power system.

b. Each sign uses a plug-in transformer. Install outlet near each sign Transformer must be plugged-in to the AC outlet and the transformer cable must be plugged in to the jack on the back of the sign. Output is 7 VAC.

4. What is the current draw of each sign ??

a. Each sign consumes about 500 ma at 120 VAC

5. What is the voltage requirement and current draw of the contact interface panel?

a. Unit operates from 24vdc and can be connected to the auxilliary power on your Fire alarm panel or Voice Evac panel.
b. Powerup: 200 ma.
c. Standby: 82 ma.
d. Each Activated Alarm adds 6 ma