



® Light Engineered Displays, Inc.

Graphic Annunciators * Water Leak Detection
Fireman's Smoke Control Panels * ARA Systems

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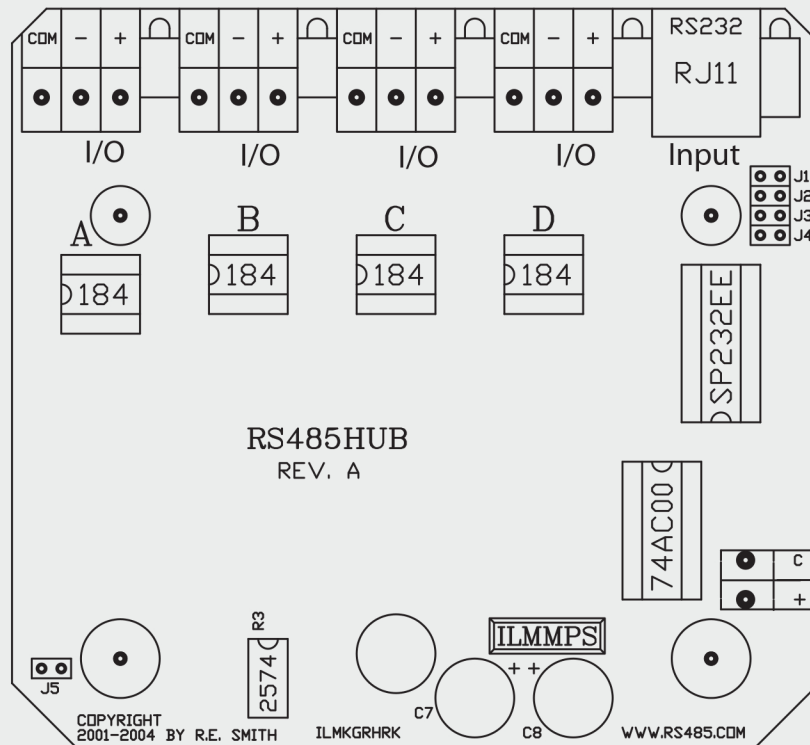
**MNS-R4
RS-485 Repeater**

**MNS
SERIES**

MASS NOTIFICATION SYSTEM

DESCRIPTION

Typical RS-485 circuits are limited to a maximum of 32 devices on a data line. The length of the data wiring is also limited, usually to about 4000 feet max, depending on the wire type and method of installation. This has limited the number of MNS signs to about 30 on an MNS-Controller. The MNS-R4 Repeater overcomes these limitations by adding additional RS-485 data outputs.



Power Input
24 vdc nominal
.5 watts max.

OPERATION

The MNS-R4 repeater connects to the MNS-Control data line just like all of our LED message centers. Connect the Controller output to any one of the four I/Os and connect your additional signs to any of the remaining three I/Os. Each channel has full Input / Output capability. Each output can drive an additional 32 signs. Therefore, our standard MNS-R4 Repeater can support up to 96 additional message centers.

The MNS-R4 is useful in large systems where the total footage of wire exceeds the maximum. Use the repeater at a mid-point and use the outputs to supply data for in each wing or on each floor.

Current draw at 24vdc is less than 75ma.