READ THIS FIRST

ADAPTIVE®

AlphaEclipse™ PureColor™ 3600 Signs
Master/Slave Configuration

http://www.adaptivedisplays.com/support/eclipse

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1 Identify each sign. You should have one sign labeled ADDRESS 1 MASTER UNIT CABLE CONNECTIONS, and one sign labeled ADDRESS 2 SLAVE UNIT CABLE CONNECTIONS.

Master Unit, Address = 1
Contains RS485 cable, sync cable, and (optional) temperature probe cable.

Slave Unit, Address = 2

ADDRESS 1 MASTER UNIT CABLE CONNECTIONS

1) ROUTE MAIN RS485, TEMP CABLE (IF PRESENT), AND SYNC CABLE INTO UNIT WITH ADDRESS 2 (DO NOT ROUTE WITH AC WIRES).
2) FOLLOW CONNECTION INSTRUCTIONS IN ADDRESS 2 UNIT.

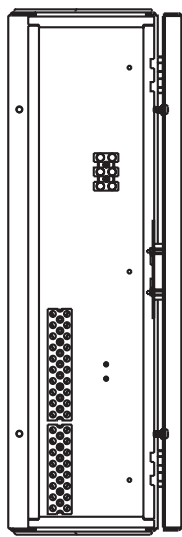CABLE CONNECTIONS HAVE BEEN FACTORY INSTALLED IN ADDRESS 1 UNITS

label no. 98118018 rev A

ADDRESS 2 SLAVE UNIT CABLE CONNECTIONS

1) ROUTE MAIN RS485 FROM MASTER UNIT ADDRESS 1 INTO THIS UNIT (ADDRESS = 2) AND CONNECT TO COM0 AS LABELED.
2) ROUTE TEMP CABLE (IF PRESENT) FROM MASTER UNIT ADDRESS 1 INTO THIS UNIT (ADDRESS = 2) AND CONNECT TO COM2 AS LABELED.
3) ROUTE SYNC CABLE FROM MASTER UNIT ADDRESS 1 INTO THIS UNIT (ADDRESS - 2) AND CONNECT TO COM3 AS LABELED.

label no. 98118020 rev A

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2 Open the wireway of the sign labeled ADDRESS 1 MASTER UNIT CABLE CONNECTIONS and locate the RS485 cable, the sync cable, and the (optional) temperature probe cable.

Wireway

Locate the RS485 cable, sync cable, and temperature probe cable, identified by these labels, inside the wireway.

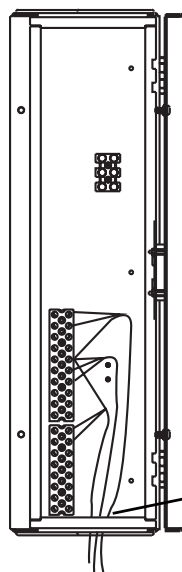**CONNECT TO COM0 (MAIN RS485) IN ADDRESS 2**
label no. 98118021 rev A

CONNECT TO COM3 (SYNC COM) IN ADDRESS 2
label no. 98118022 rev A

CONNECT TO COM2 (TEMP PROBE) IN ADDRESS 2
label no. 98118023 rev A

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3 Run the RS485 cable, the sync cable, and the (optional) temperature probe cable out of the wireway through the communications conduit opening and close the wireway.
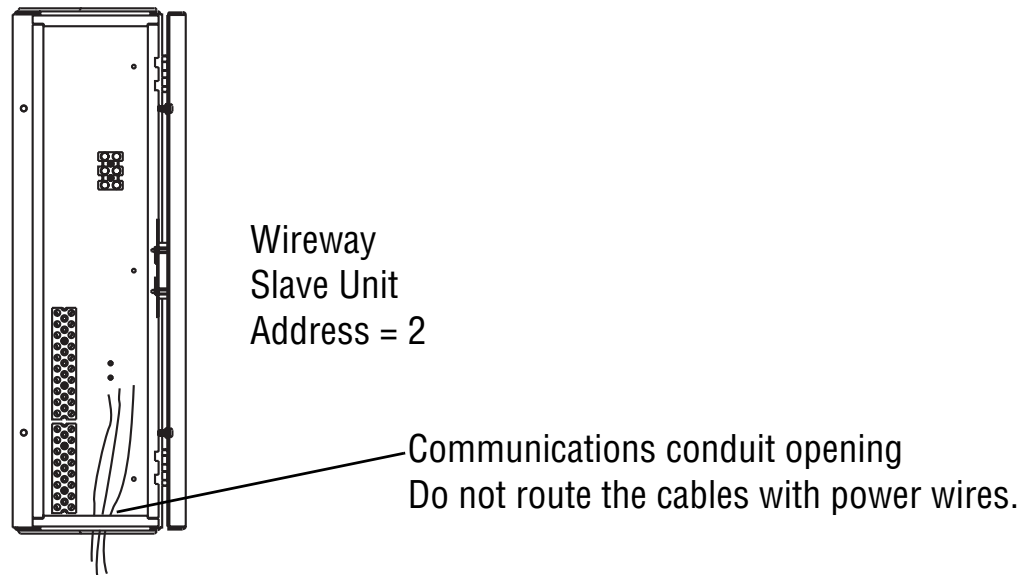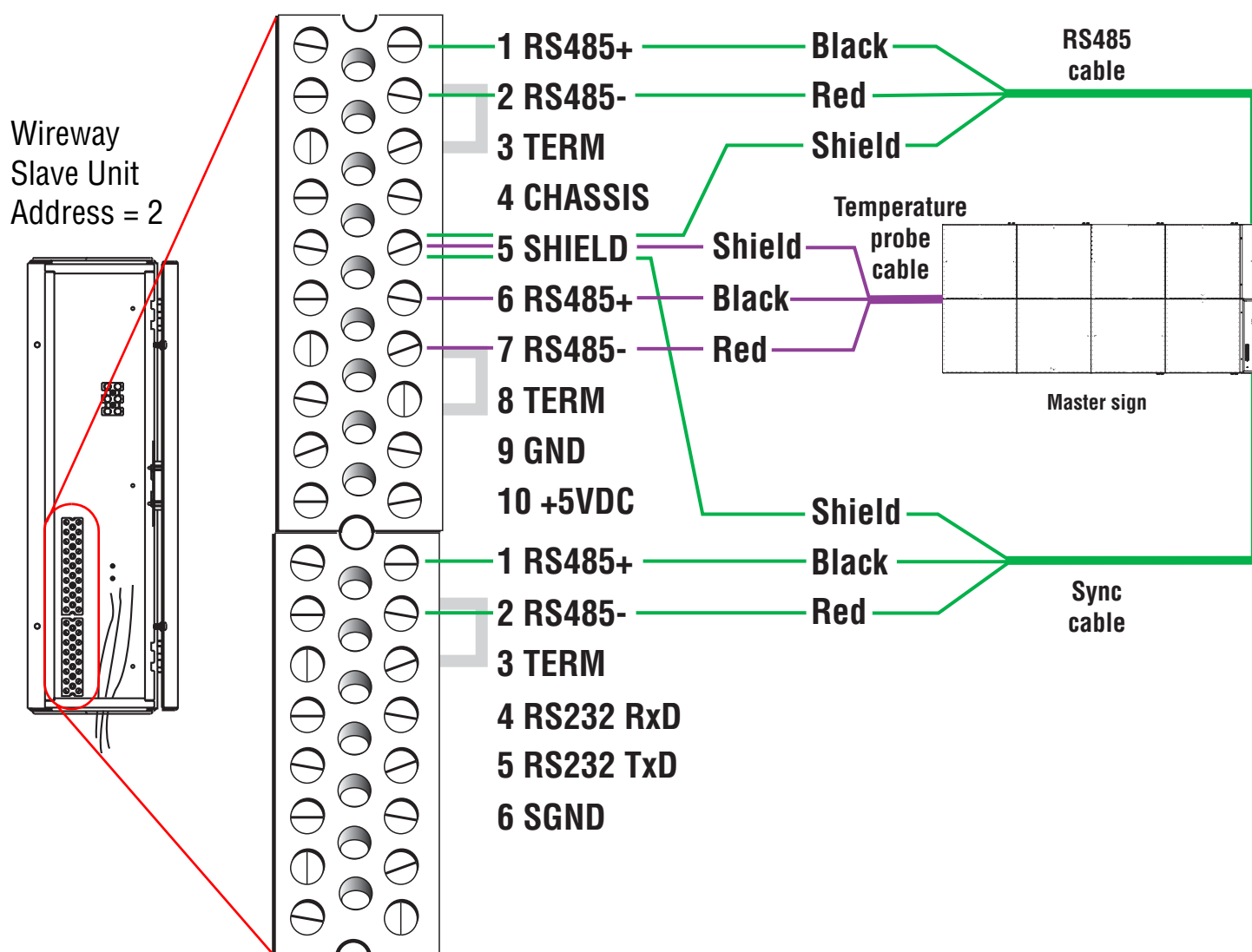

Wireway
Master Unit
Address = 1

Communications conduit opening
Do not route the cables with power wires.

4 Open the wireway of the sign labeled ADDRESS 2 SLAVE UNIT CABLE CONNECTIONS and run the RS485 cable, the sync cable, and the (optional) temperature probe cable through the communications conduit opening.

Wireway
Slave Unit
Address = 2

Communications conduit opening
Do not route the cables with power wires.

5 Connect the RS485 cable, the sync cable, and the (optional) temperature probe cable as shown.

Wireway
Slave Unit
Address = 2

1 RS485+ ——— Black ——— RS485 cable
2 RS485- ——— Red
3 TERM ——— Shield
4 CHASSIS
5 SHIELD ——— Shield — Temperature probe cable
6 RS485+ ——— Black
7 RS485- ——— Red
8 TERM
9 GND
10 +5VDC ——— Shield

Master sign

1 RS485+ ——— Black ——— Sync cable
2 RS485- ——— Red
3 TERM
4 RS232 RxD
5 RS232 TxD
6 SGND

6 Connect the signs to the desired interface according to the AlphaEclipse™ PureColor™ 3600 Sign Installation Manual (pn 9711-8011).