



TRANSCCELL TECHNOLOGY, INC.

RD-Series

Remote Display **RD-300SS/RD-600SS**

Setup & Operation Manual

Revision 1.1
8/6/03

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Contents subject to change without notice.

Transcell Technology, Inc.
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Web: www.transcell.net

Electromagnetic Compatibility Statement for North America

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

The RD Series Remote Displays currently consist of two size LED displays:

RD-300SS	2 1/2" High LED display
RD-600SS	4" High LED display

The RD Series Remote displays are housed in a NEMA 4X stainless steel enclosure. A wall mount bracket and sun-shade are standard.

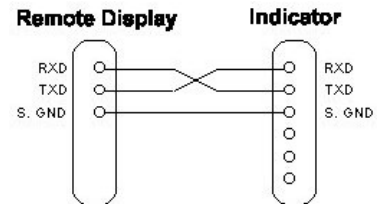
SETUP

Setup is very easy and can be configured automatically or manually.

1. Automatic setup – RS-232

Set the output from your digital indicator to continuous and have one of the following serial protocols set in the indicator:

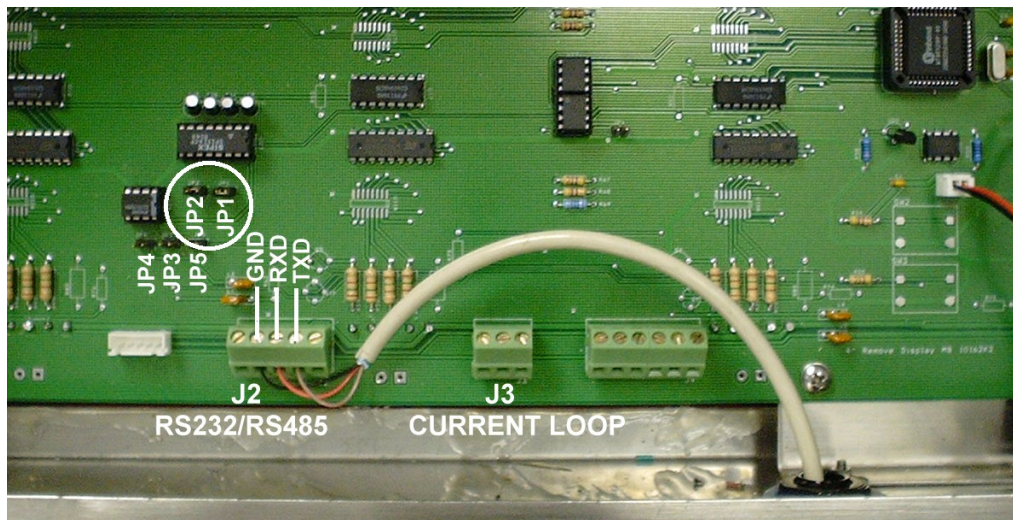
BAUD RATE	BITS/PARITY	BITS/PARITY
1200	8, N	7, Odd or even
2400	8, N	7, Odd or even
4800	8, N	7, Odd or even
9600	8, N	7, Odd or even
19200	8, N	7, Odd or even



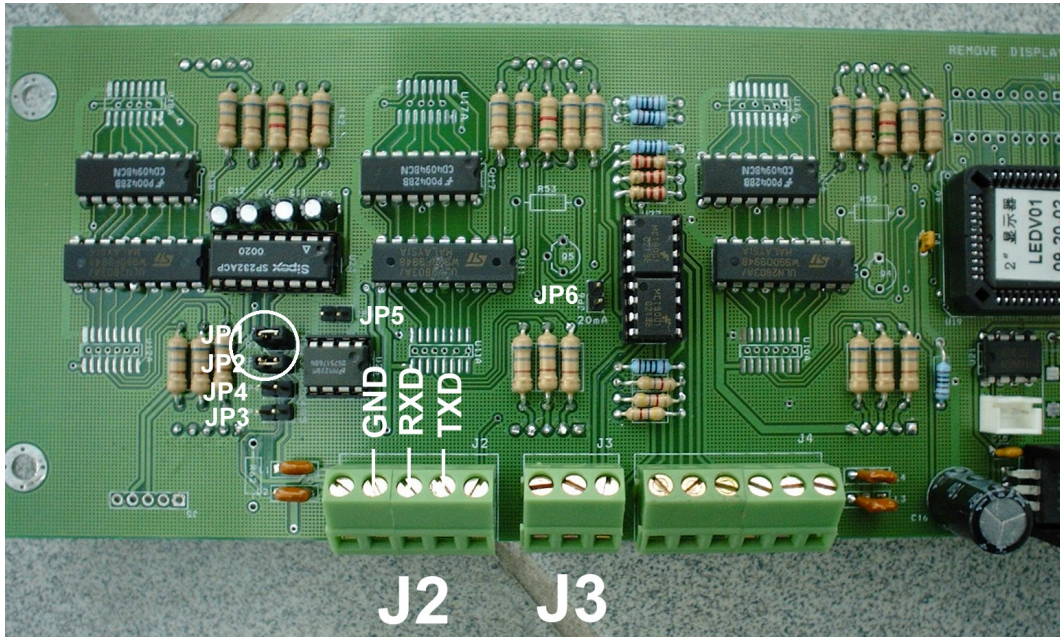
Remove the back cover. Connect the serial cable to terminal J2.

For 4" remote display insert jumpers on JP1 & JP2. Leave JP3, JP4 and JP5 open.

For 2.5" remote display insert jumpers on JP1 & JP2. Leave JP3, JP4, JP5 and JP6 open.



RD-600SS 4" remote RS232 connections



RD-300SS 2" remote RS232 connections

Power down the RD Series Remote Display. Remove the two screws holding the setup switch cover located on the center of the back cover. Slide the switch to the left position for setup. Power up the RD Series Remote Display. Power up your digital indicator. The RD Series Remote Display will begin cycling through the possible combinations of baud rate, bits and parity. When the configuration from your indicator is found, the RD Series Remote Display will show SET and begin to operate. Slide the configuration switch to the right position and replace the cover and two screws. Attach the rear cover.

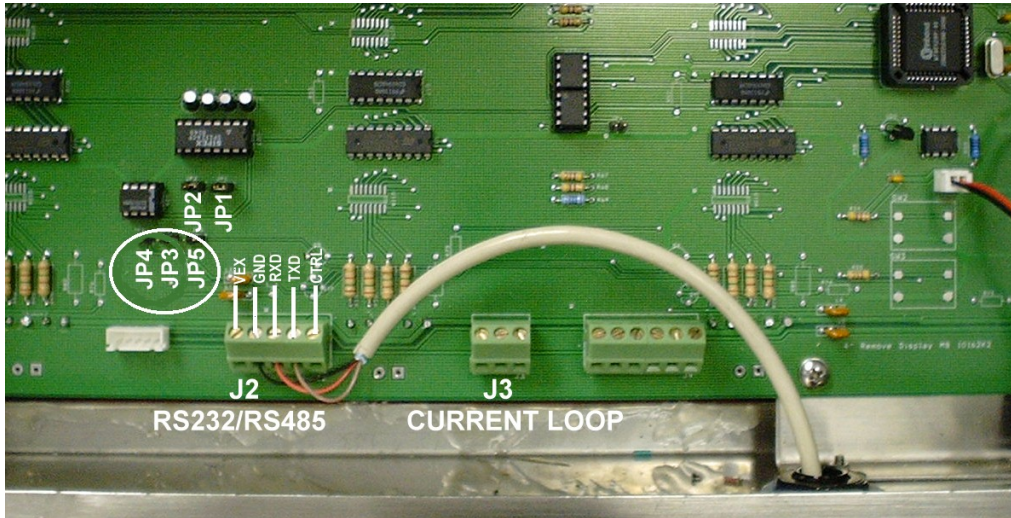
2. Manual setup – Applies to RS232, RS0485 and Current Loop

If you want to set the baud rate/bits/parity manually in the RD Series Remote Display, power down the unit. Remove the two screws holding the setup switch cover located on the center of the back cover. Slide the switch to the left position for setup. Power up the RD Series Remote Display. Watch the display begin cycling through the possible combinations of baud rate, bits and parity. Wait until the desired baud rate and bit/parity combination is displayed. Immediately power down the remote display to capture those settings. Slide the configuration switch to the right position and replace the cover and two screws. Connect your indicator as shown above. Power up the indicator and make sure it is operating properly and displaying weight. Power up the RD Series Remote Display. Both your indicator and the remote display should be operating properly. If not, retry the procedure or try the automatic procedure as outlined above.

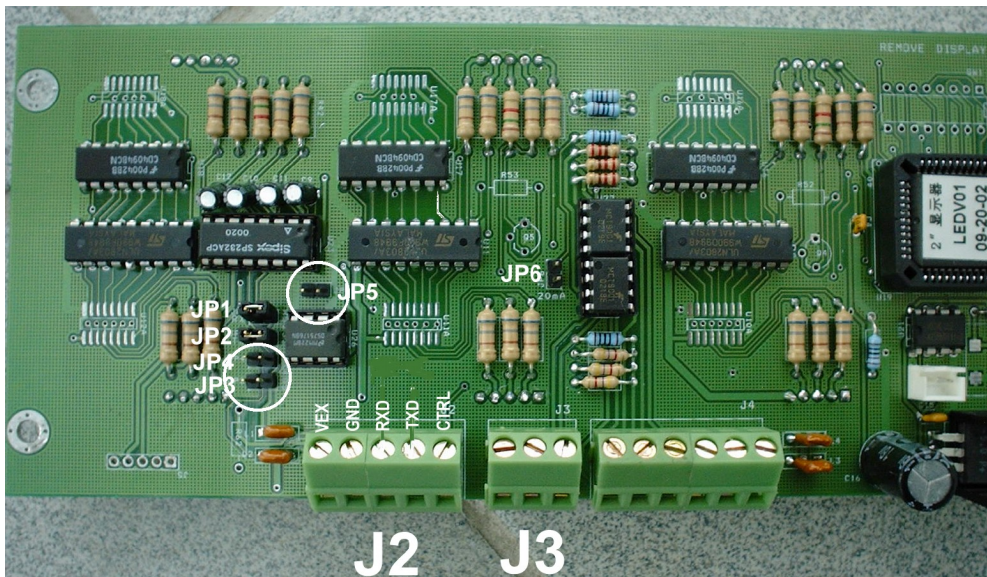
3. **Automatic setup – RS-485**

RD-600SS remote display, apply the jumpers to JP3, JP4 AND JP5, leave JP1, JP2 and JP6 open.

RD-300SS remote display – apply jumpers to JP3, JP4, and JP5. Leave JP1, JP2 and JP6 open. Connect the cable as shown below to J3.



RD-600SS 4" remote RS485 connections



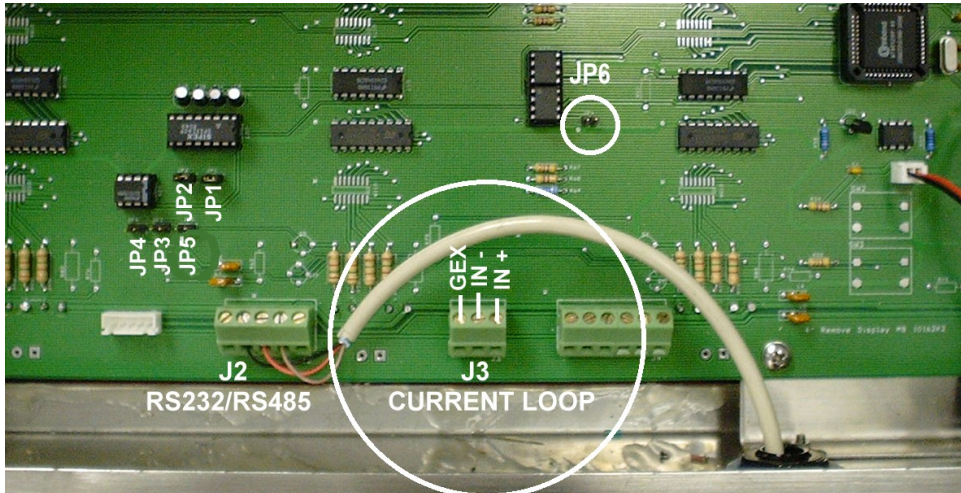
RD-300SS 2" remote RS485 connections

Power down the RD Series Remote Display. Remove the two screws holding the setup switch cover located on the center of the back cover. Slide the switch to the left position for setup. Power up the RD Series Remote Display. Power up your digital indicator. The RD Series Remote Display will begin cycling through the possible combinations of baud rate, bits and parity. When the configuration from your indicator is found, the RD Series Remote Display will show SET and begin to operate. Slide the configuration switch to the right position and replace the cover and two screws. Attach the rear cover.

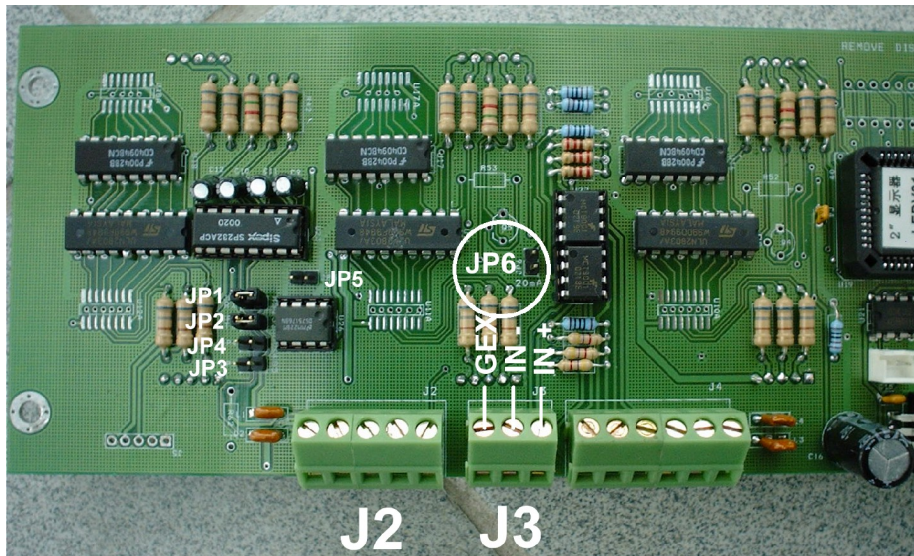
4. Automatic setup – CURRENT LOOP

RD-600SS remote display, jump JP6 and leave JP1 – JP5 open.

RD-300SS remote display jump JP6 and leave JP1 – JP5 open. Cable connects to J3.



RD-600SS 4" remote Current Loop connections



RD-300SS 2" remote Current Loop connections

Power down the RD Series Remote Display. Remove the two screws holding the setup switch cover located on the center of the back cover. Slide the switch to the left position for setup. Power up the RD Series Remote Display. Power up your digital indicator. The RD Series Remote Display will begin cycling through the possible combinations of baud rate, bits and parity. When the configuration from your indicator is found, the RD Series Remote Display will show SET and begin to operate. Slide the configuration switch to the right position and replace the cover and two screws. Attach the rear cover.

SPECIFICATIONS:

POWER CONSUMPTION

Max – 910 mA (all segments on)

Typ – 300 mA

Min – 100 mA (all segments off)

ENVIRONMENTAL

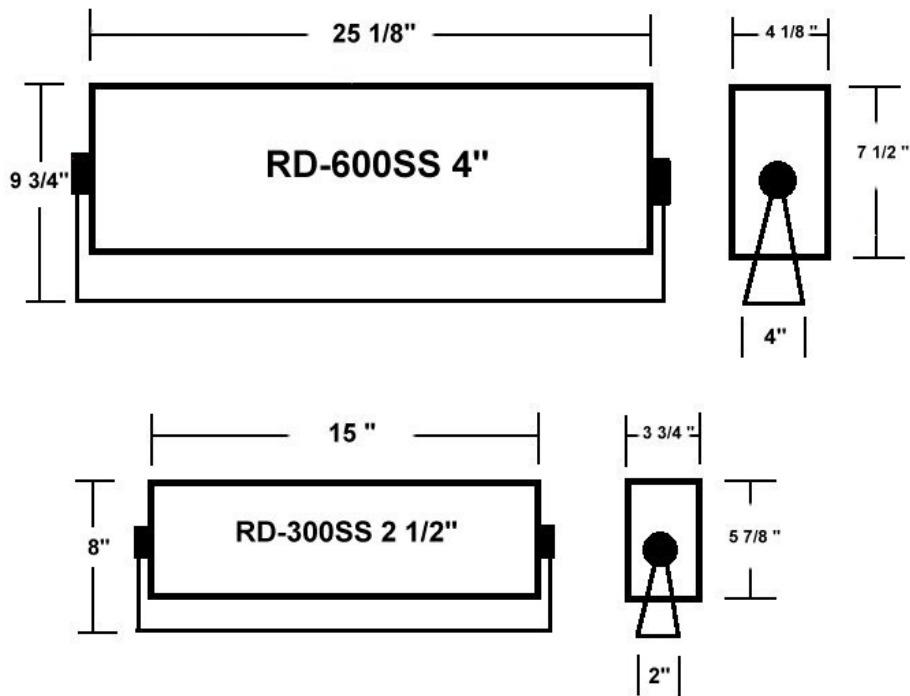
Operating Temperature

-10° to +40° C

Storage Temperature

-25° to +70° C

Dimensions:



LIMITED WARRANTY

Seller warrants that the RD Remote Display Line will conform to written specifications, drawings, and other descriptions made by the manufacturer, including any modifications thereof. The Seller warrants the goods against faulty workmanship and defective materials. If any goods fail to conform to these warranties, Seller will, as its sole and exclusive liability hereunder, repair or replace such goods if they are returned within the following warranty period:

Twelve (12) months from date of shipment from manufacturer.

These warranties are made upon the following TERMS and CONDITIONS:

This warranty is limited to the original equipment manufactured by TRANSCCELL TECHNOLOGY, INC. Items not covered under this warranty are batteries and normal wear items like connectors, shrouds, front panels and fuses.

For the first sixty (60) days from the date of installation, the warranty covers parts, on-site labor, and limited travel time and mileage. (3 hrs/150 miles maximum per occurrence). After sixty (60) days, the warranty covers the cost of replacement parts only. However, at the discretion and prior approval of TRANSCCELL, certain equipment may be returned, freight pre-paid, for repair, free of any parts or labor charges.

TRANSCCELL's responsibility is confined to repair, replacement or credit of equipment or parts. The warranty does not extend coverage to labor, material, freight or service charges involved in removal, shipping or reinstallation of equipment or parts.

CONDITIONS WHICH VOID LIMITED WARRANTY:

This warranty shall not apply to equipment which:

- A. Examination of such goods discloses that the nonconformity exists and was caused by accident, misuse, neglect, alteration, improper installation improper or unauthorized repair, improper testing, or an act of GOD including lightning and such goods have not been modified, altered, or changed by any person other than the Seller or its duly authorized repair agents.

Transcell Technology, Inc. will have a reasonable time to repair or replace such goods.

THESE WARRANTIES EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ORAL OR WRITTEN, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER WILL NOT IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

IN ACCEPTING THIS WARRANTY, THE PURCHASER OR BUYER AGREES TO WAIVE ANY AND ALL OTHER CLAIMS FOR RIGHT TO WARRANTY FROM TRANSCCELL TECHNOLOGY, INC. SHOULD THE SELLER BE OTHER THAN TRANSCCELL TECHNOLOGY, INC., THE BUYER AGREES TO LOOK ONLY TO THE SELLER FOR WARRANTY CLAIM OR CLAIMS.

No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of the Seller.



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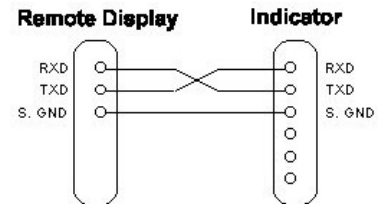
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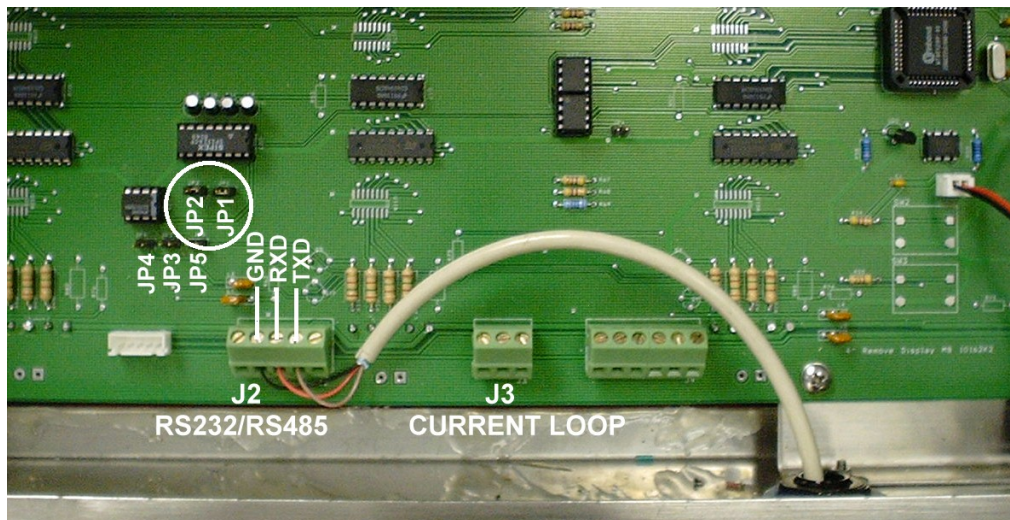
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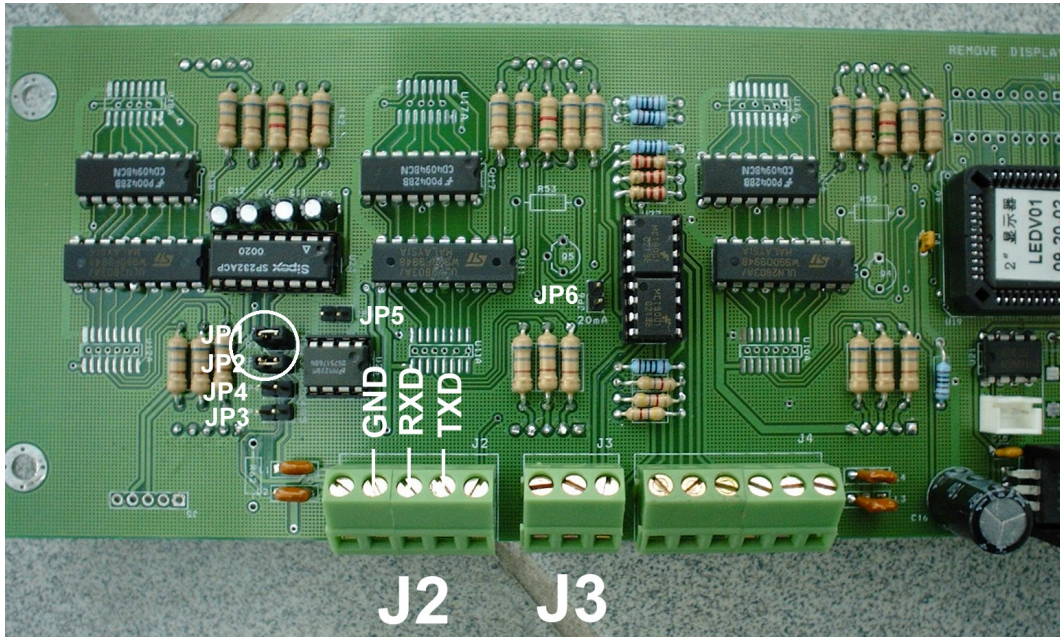
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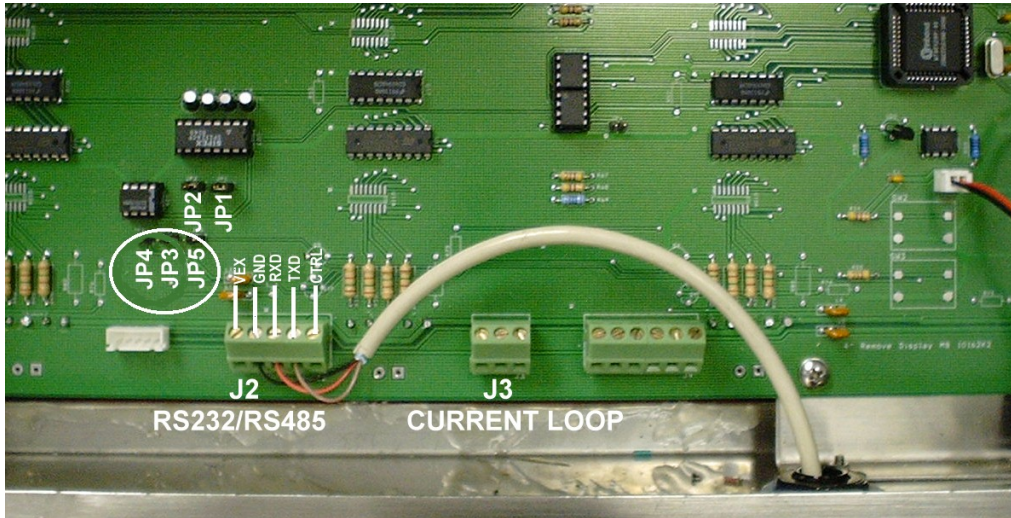
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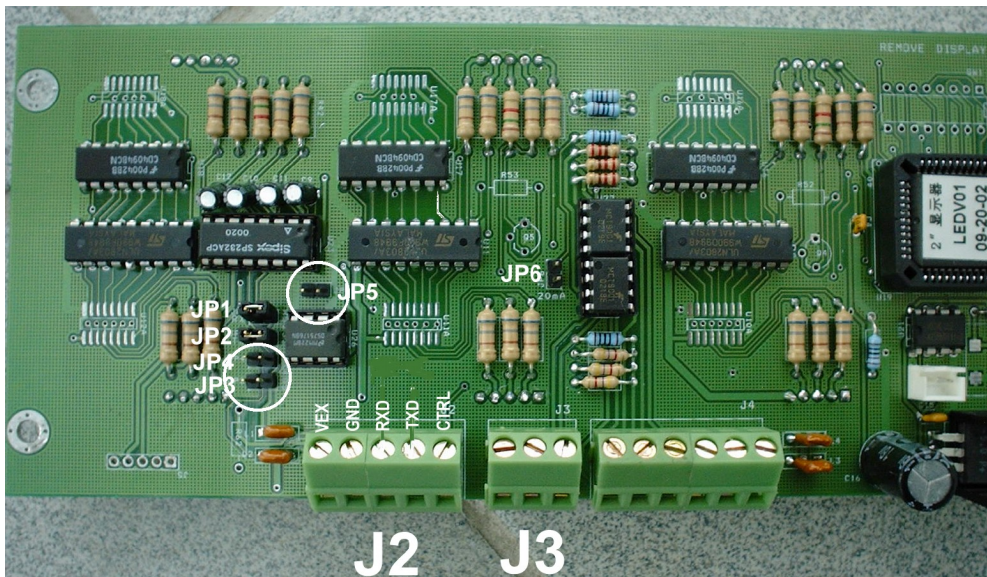
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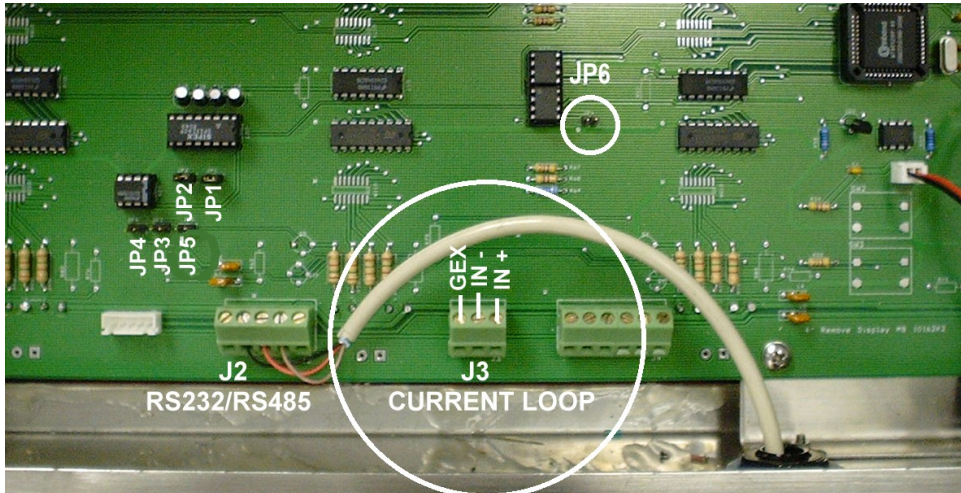
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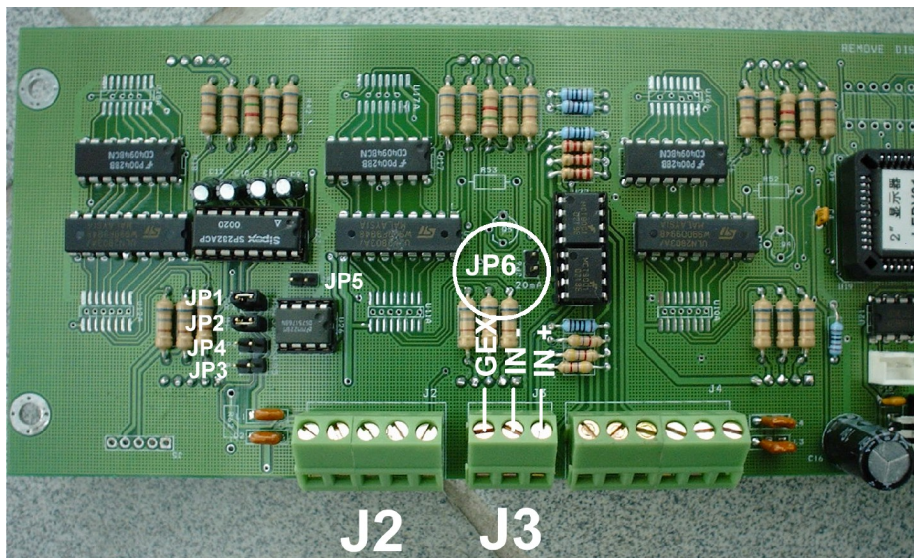
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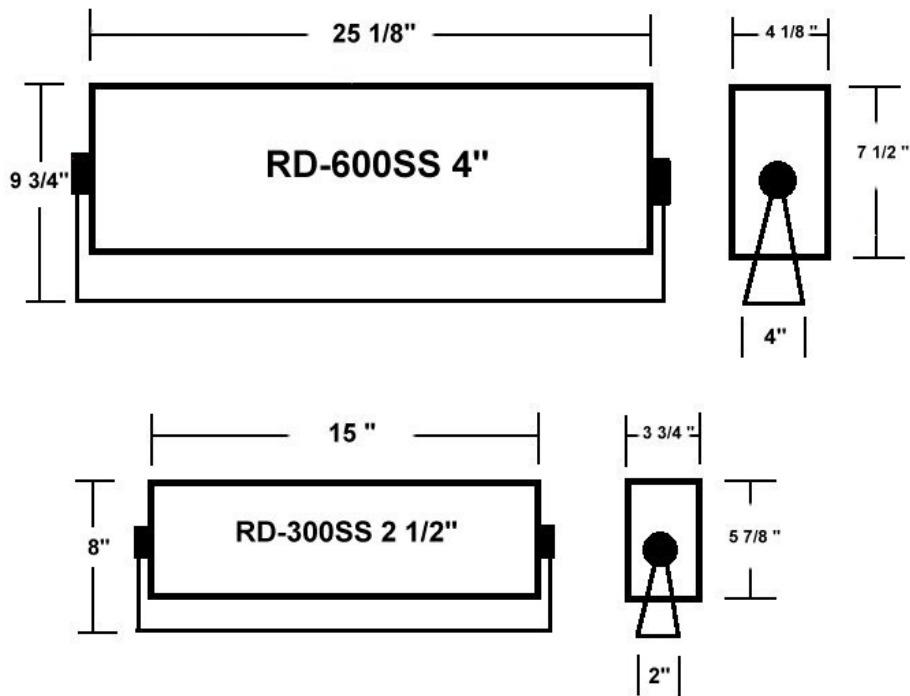
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Transcell Technology, Inc. will have a reasonable time to repair or replace such goods.

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No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of the Seller.