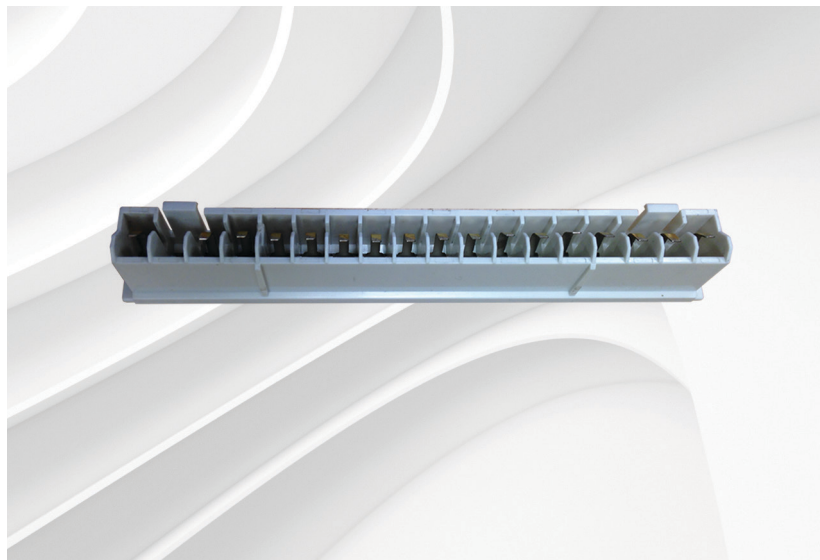


ScreenMaster RVG200

Paperless recorder



Terminal block failures

–
ScreenMaster RVG200
terminal block

1 Introduction

There have been instances reported where some or all inputs on an RVG200 analog input card have shown as failed immediately after installation, with no apparent cause for the failure. In rare cases, this can be attributed to a faulty analog input card but the most common cause has been identified as a problem affecting the connection strips within the terminal block assembly.

The reason for potential failure is that during installation, unscrewing the terminal connection, inserting the wire and tightening the screw can cause the spring assembly inside the terminal block to move, breaking its contact with the PCB.

2 Action

- | | |
|--|---|
| <input checked="" type="checkbox"/> Action when fault reported | <input type="checkbox"/> Action at next service |
| <input type="checkbox"/> Information only | <input type="checkbox"/> Recall instruments |

3 Tools/Equipment required

- Medium, flat-bladed screwdriver
- Anti-static strap or anti-static workbench

4 Identifying failures

WARNING

Bodily injury

Isolate all power supplies to the recorder before removing the terminal cover.

NOTICE

Damage to equipment

The recorder is vulnerable to electrostatic damage. Wear an anti-static strap or dismantle the unit on an anti-static workbench.

...4 Identifying failures

Referring to Figure 1:

- 1 Isolate the recorder from the power supply.
- 2 Press down into recess (A) and pull terminal cover (B) away from the case.
- 3 Insert a flat-bladed screwdriver into each slot (C) in turn (2 slots) to release the locking arm and pull terminal block (D) away from the case.
- 4 Check the position of spring contacts (E) within the terminal block assembly.

The correct position for the contacts is as shown in Figure 1 – each contact must be positioned a minimum of halfway across the slot in which the module board fits.

- 5 If a contact is positioned incorrectly or is damaged, replace the terminal block assembly.
- 6 Fit the terminal block.
- 7 Refit terminal cover (B).

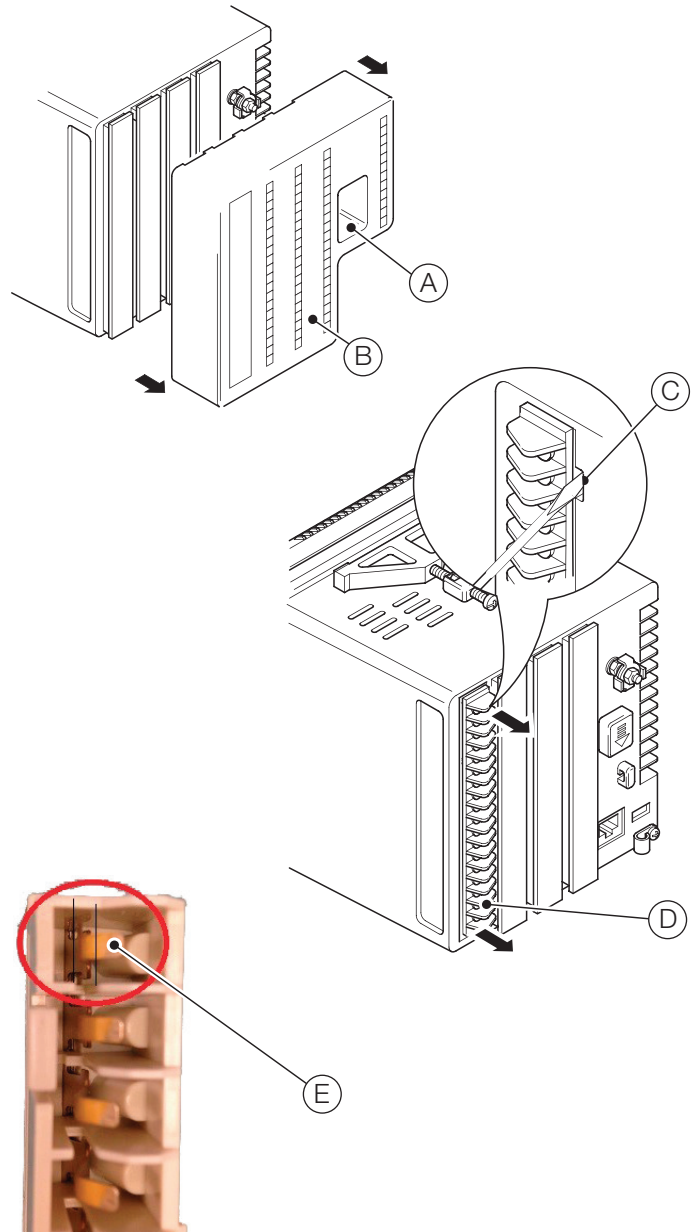


Figure 1 Examining the terminal block contacts