
ABB MEASUREMENT & ANALYTICS | TECHNICAL BULLETIN

266JSH/JST Multivariable transmitter

Errors caused by disconnected PCBA Board

12/17/2018

1 Introduction

This technical bulletin provides instructions to resolve unit errors or failure observed in new ABB Totalflow 266 JSH/JST multivariable transmitters.

2 Description

Some ABB Totalflow 266 JSH/JST multivariable units may have the RTD PCBA board disengaged from the communications board during shipment. If this disengagement occurs, ABB units may arrive with unexplained errors or fail out of the box.

3 Is your product impacted?

This issue is rare and only applies to transmitters with the above description.



IMPORTANT NOTE: This bulletin applies only to 266 JSH/JST units that ship new from ABB Totalflow.

4 Resolution

Follow this procedure to restore proper connection of the PCBA board in the transmitter.



CAUTION – Equipment damage. Observe ESD precautions to prevent damage to electronic boards.

Materials required:

- Single sided foam tape: 3M Vinyl Foam Tape 4508 (or equivalent), 3/4 inch wide x 0.125 inch thick. This is a RoHS compliant foam tape. (Optional)
- Scissors (optional if adding foam tape)
- Flat bladed screw driver



IMPORTANT NOTE. The assembly must first be taken apart using a small flat blade screw driver to pull the 3 latches around the circumference of the part. The amount of force used to separate the plastic must be kept to a minimum.

Remove power from the device if any exists.

To resolve the RTD PCBA connection issue:

1. Locate the communications module in the transmitter, behind the display.
2. Remove the 2 Phillips head screws that secure the module.



3. Remove the cable from the back of the module.

4. Pull the module apart by pulling the 3 circumference latches with the screw driver.



The RTD PCBA is visible after the latches are disengaged and the assembly is separated.



5. Ensure full contact between the two visible PCBAs by pressing on the RTD PCBA.
6. Add optional foam tape, install the tape material into the assembly (3KQZ207000U4700). If not adding the tape, skip these steps and go to step 7.
 - a. Install a tape piece in the center section. Maximum tape piece dimensions: 0.75 inch long x 0.75 inches wide x 0.125 inch thick.
 - b. Install a tape piece in the end section. Maximum tape piece dimensions: 0.75 inch long x 0.5 inch wide x 0.125 inch thick.



7. Snap the pieces back together.

- a. Align the back cover to the PCBA and front section module.



- b. Press the pieces together and listen for the latches to snap together.



8. Inspect the module to ensure the three (3) latches are fully engaged.



The correction is now complete.

9. Re-attach and reassemble with the reverse of steps 1 – 3.



ABB Inc.

Measurement & Analytics

Quotes: totalflow.inquiry@us.abb.com

Orders: totalflow.order@us.abb.com

Training: totalflow.training@us.abb.com

Support: upstream.support@us.abb.com

+1 800 442 3097 (opt. 2)

www.abb.com/upstream

Additional free publications are available for download at:

www.abb.com/totalflow

Main Office - Bartlesville

7051 Industrial Blvd
Bartlesville, OK 74006
Ph: +1 918 338 4888

Kansas Office - Liberal

2705 Centennial Blvd
Liberal, KS 67901
Ph: +1 620 626 4350

Texas Office – Odessa

8007 East Business 20
Odessa, TX 79765
Ph: +1 432 272 1173

Texas Office - Houston

3700 W. Sam Houston
Parkway S., Suite 600
Houston, TX 77042
Ph: +1 713 587 8000

California Office - Bakersfield

4300 Stine Road
Suite 405-407
Bakersfield, CA 93313
Ph: +1 661 833 2030

Texas Office – Pleasanton

150 Eagle Ford Road
Pleasanton, TX 78064
Ph: +1 830 569 8062

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents - in whole or in parts - is forbidden without prior written consent of ABB.

2106146TB-TB207

Copyright© 2018 ABB all rights reserved