

4600 Transmitter



Display assembly replacement

Measurement made easy

—
4600
Transmitter

Introduction

This document explains how to replace the display assembly for the 4600 transmitter.

Only trained technicians are permitted to complete the procedure.

Tools required:

- small flat-bladed screwdriver
- Phillips screwdriver
- M5 spanner

For more information

Further information is available from:

www.abb.com/measurement

or by scanning these codes:



Sales



Service

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1 Health & Safety

Document symbols

Symbols that appear in this document are explained below:

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

Note

'Note' indicates useful or important information about the product

Safety precautions

Be sure to read, understand and follow the instructions contained within this manual before and during use of the equipment. Failure to do so could result in bodily harm or damage to the equipment.

Potential safety hazards

WARNING

- Isolate the power supply before you remove the transmitter cover.
- The technician must be earthed during this procedure.

2 Replace the display assembly

- 1 Isolate the power supply.
- 2 Use a small flat-bladed screwdriver to loosen the screw on the front of the display.

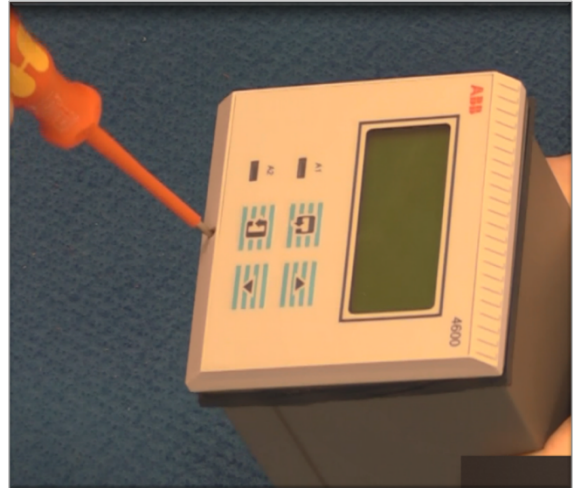


Figure 1 Remove the screw

- 3 Release the display assembly from the panel base.
- 4 Hold the sides of the display, and pull the display assembly out of the base.

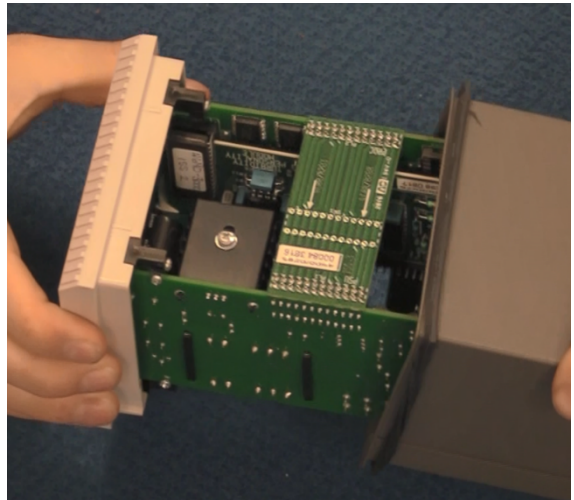


Figure 2 Remove the screen assembly

- 5 Install the new assembly into the base, then tighten the screw.

NOTICE

Do not use force to install the new display assembly.

- 6 If you cannot install the new display assembly easily, do the steps that follow:
 - a Isolate the power supply.

...2 Replace the display assembly

- b Loosen and remove the nuts on the terminal cover plate with your fingers or an M5 spanner.

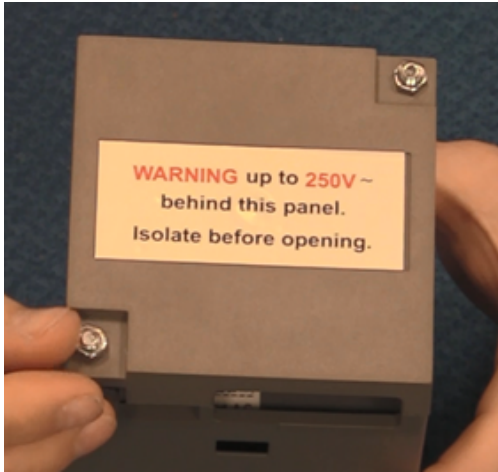


Figure 3 Remove the terminal cover plate nuts

- c Remove the power supply cover with a small Phillips screwdriver.



Figure 4 Power supply cover removed

- d Remove the power wiring and ground bonding cable with a small flat-bladed screwdriver.

- e Remove the additional wiring.

- f Put a flat-bladed screwdriver under the small gaps at the ends of the terminal blocks to prise them out. Alternate between the terminal blocks to help remove them. When the terminal blocks are removed, you can see the display assembly through the gaps.

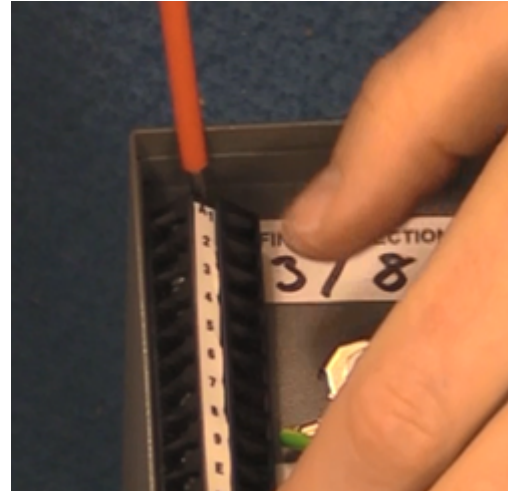


Figure 5 Remove the terminal blocks

- g Carefully adjust the alignment of the connections to make sure that the terminal blocks can slide over them easily. Use a flat-bladed screwdriver in the gaps to adjust the connections.

Note.

It might be necessary to loosen the screw on the display to back the boards out slightly. This can help with the adjustment.

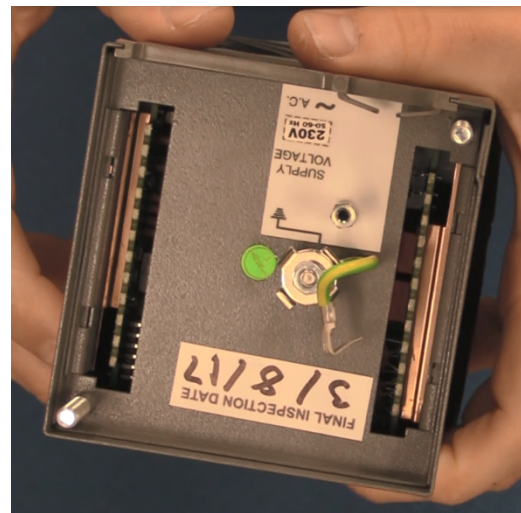


Figure 6 Terminal blocks removed

- h When the terminal blocks are in position, complete these steps in reverse to reassemble the transmitter.

Notes

ABB Measurement & Analytics

For your local ABB contact, visit:
www.abb.com/contacts

For more product information, visit:
www.abb.com/measurement

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