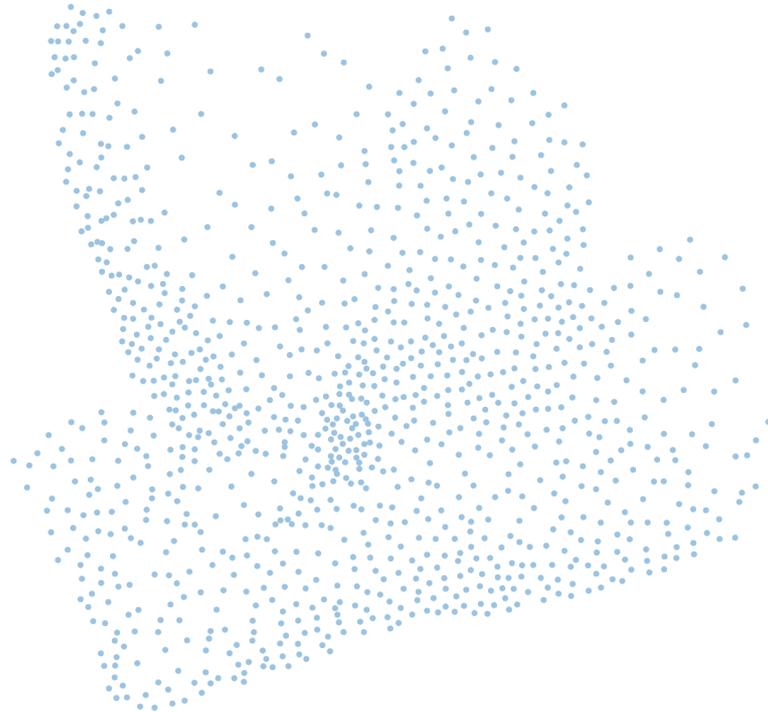


KOE display unit - mounting instructions





KOE display unit - mounting instructions

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1 Introduction

In This Chapter:

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1.1 About this Manual

This manual describes the mounting of the KOE display in the CWTC S3 and S4 touch terminal.

1.2 Target audience

This guide is intended primarily for personnel who carry out the installation and maintenance on CWT Compact terminals.

1.3 List of major changes

The list below contains major changes since the last released version.

Chapter/Area	Page	Change	Issue
Initial draft			1

1.4 Related manuals

1. CWT Software Configuration Handbook
This document also describes the service menu, AVR, and program updating procedures, information that may be required during installation and maintenance.
2. CWT User Interface Design Handbook
3. CWT Software Configuration Handbook
4. CWT Compact Installation and Maintenance Manual

1.5 Structure of this Book

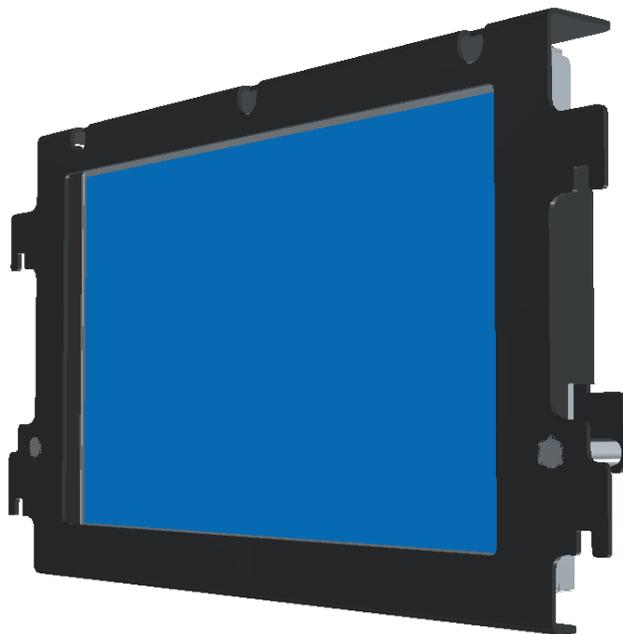
- [Product Description](#)^[5]: order details on the display
- [Mounting instructions](#)^[5]: removal of the old display and mounting of the new display
- [CWT Configuration](#)^[8]: configuration details for the new display

2 Product Description

The KOE display replaces the Mitsubishi display. It uses the same mounting plate.

Order number	description
0540-00166	KOE display cable
0640-00065	KOE display unit

When ordering the display unit, place the order together with the cable as they will come pre-mounted.



3 Mounting instructions

This chapter describes the removal of the old Mitsubishi display and the mounting of the new KOE display.

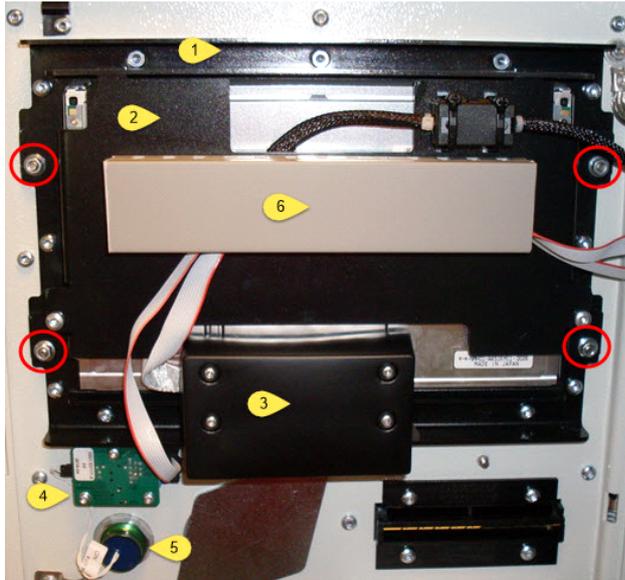
3.1 removal

Warning:

Always ensure that the external power supply to the terminal is disconnected or switched OFF before carrying out any work.

Note:

In the S4 Touch terminal the display is tilted 90 deg.

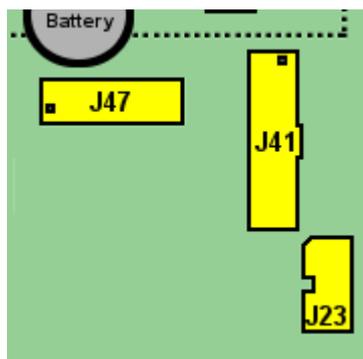
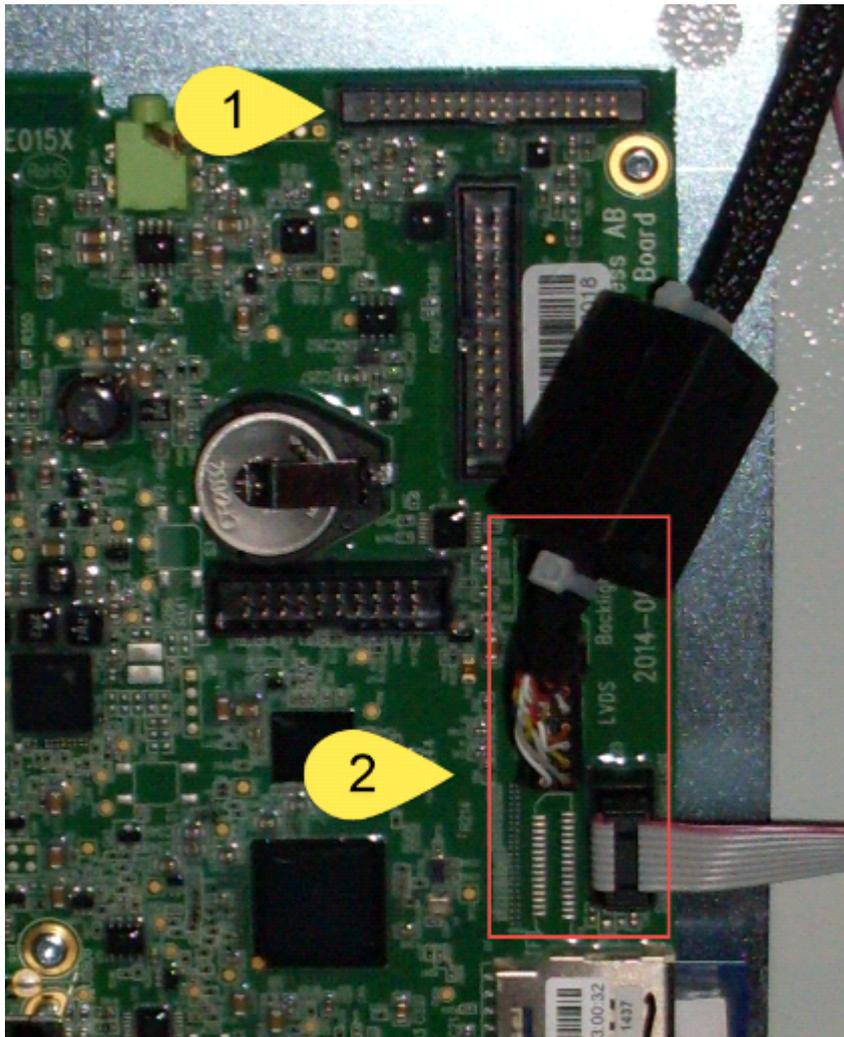


1. Remove the cables from the cable gutter (6).
2. Disconnect the display cable from the CPU board (not displayed).
3. Remove the cover (3) from the touch screen board and disconnect the Touch screen cable.
Removing the cover is done to better see the connector.
4. Leave the Status Indicator cable connected.
5. Loosen the 4 nuts in the red circles.
6. Lift of the display module by pulling it upwards until it loosens.

3.2 Mounting the KOE display

- Place the display unit on its mounting screws and push it down for the S3 and sideways for the S4.
- fasten the screws.
- Connect the cables as described in the next section
- guide the cables through the cable gutter and replace all covers.

3.3 Connecting the display to the CPU board



The display must be connected to the CPU board in different locations depending on the type of the display.

1. Connect the display cable on connector J41 (2 upper connector)
2. The Status Indicator cable on connector J23 (2 lower connector) should still be in place
3. The touch screen display uses an additional board for the status indicator. This board is mounted below the display unit (S3 touch terminal). The Touch Screen Connector (Serial port J29) should also still be in place

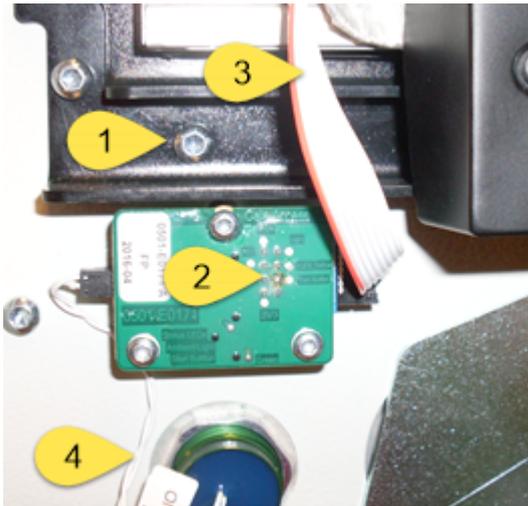
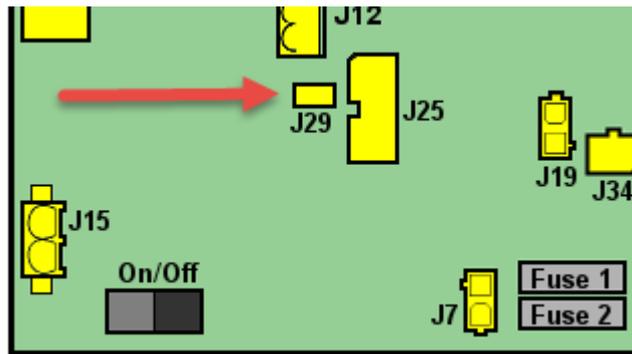


Figure 1, Status indicator board mounted below the touch screen Display module

1. Display Unit
2. Status Indicator board
3. Status indicator cable (connect to socket J23 on the CPU board)
4. Cable from the wake-up button (S3 touch model)

4 CWT Configuration

The KOE display needs different settings to work correctly.

TftDisplayType

Select the "KOE-800x480" display type in the CORE TftDisplayType attribute

```
<cwt><CORE TftDisplayType="KOE-800x480">
```

BacklightLowerVoltageLevel

Set the BacklightLowerVoltageLevel attribute to 125.

This setting will lower the backlight when the global voltage raises above the configured value. The 125 (=12.5V) is the maximum allowed voltage specified for this display.

```
<cwt><CORE><batteryVoltage BacklightLowerVoltageLevel="125" >
```

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Touch Display Module

 Connecting the display to the CPU board

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