



OPERATION MANUAL

INSTRUMENT PANEL

YD25

YANMAR

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OPERATION MANUAL	MODEL	YD25
	CODE	164100-29010

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OVERVIEW

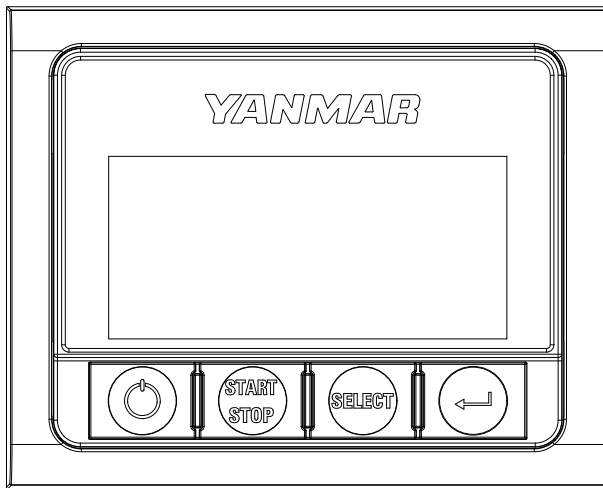


Figure 1

Functions

Button	Function
LCD Display	Indicates engine live data. A popup screen appears when some failure / notification occurs.
Power	Turn ON and OFF the Engine power (and the display power). Pressing and holding for 1 seconds is required. Note: Power OFF is not possible while the Engine is running.
Start/Stop	When Engine is not running: Start Engine. When Engine is running: Stop Engine.
Select	Switch between the Engine monitoring screen pages (1~4). Select the next item in the menu screen.
Enter	Enter the menu and the alarm/error/settings screens. Choose / Apply the setting items.

SYSTEM SETUP

First Power ON

On the first power ON, please check / change the [ENGINE MODEL] for a correct display of Active Errors.

Press the Enter Button and use the Select Button to navigate to Main menu, System settings, Engine model and press Enter to change the engine model between JH and 4LV (Figure 2).

Power link mode

If 2 or more (up to 4) panels are installed per engine, it is possible to turn ON / OFF all the panels using one panel when power link mode is enabled.

To enable this function, change the [POWER MODE] to [LINK] on every panel. Press the Enter Button and use the Select Button to navigate to Main menu, System settings, Power mode and press Enter to change between IND and LINK.

Factory default is [IND] (= Independent). Power ON / OFF operation is not combined with other YD25 panels in this configuration.

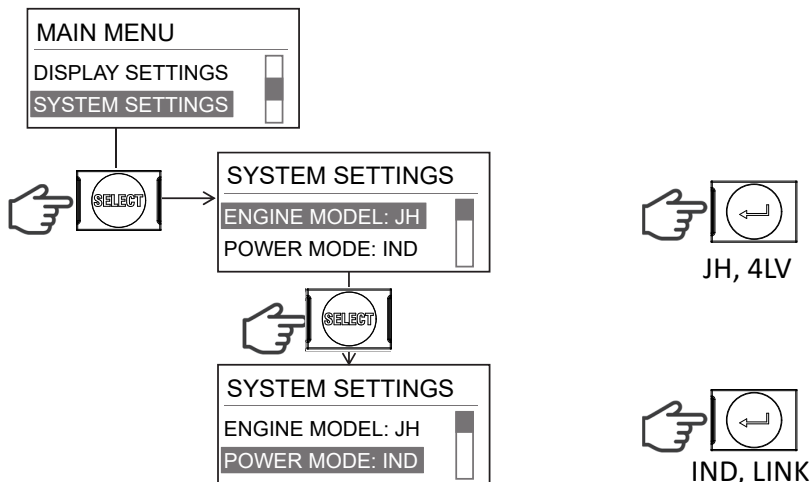


Figure 2

OPERATION

Power ON

1. Press and hold the Power Button.
2. LCD is turned up and shows the Yanmar logo for 3 sec.
3. LCD switches to first Engine monitoring screen (Booting up complete).

Power OFF

1. Press and hold the Power Button Note: If the Engine is running, Power OFF is not possible (a popup will appear).
2. LCD shows the Yanmar logo for 3 sec.
3. LCD power shuts OFF. (Shutting down complete)

Engine Start

Press and hold the Start/Stop Button when the Engine is not running.

Engine Stop

Press and hold the Start/Stop Button when the Engine is running.

Engine Monitoring Screens

The YD25 Display can display engine data on 4 customizable Screen Pages. The Select Button is used to scroll between the pages.

The Screen Pages can be customized in the Display Setting screen. The following items can be chosen:

- The number of values in the page. (1 or 2 values can be indicated in one page.)
- The data to be displayed. (Please refer to APPENDIX A)

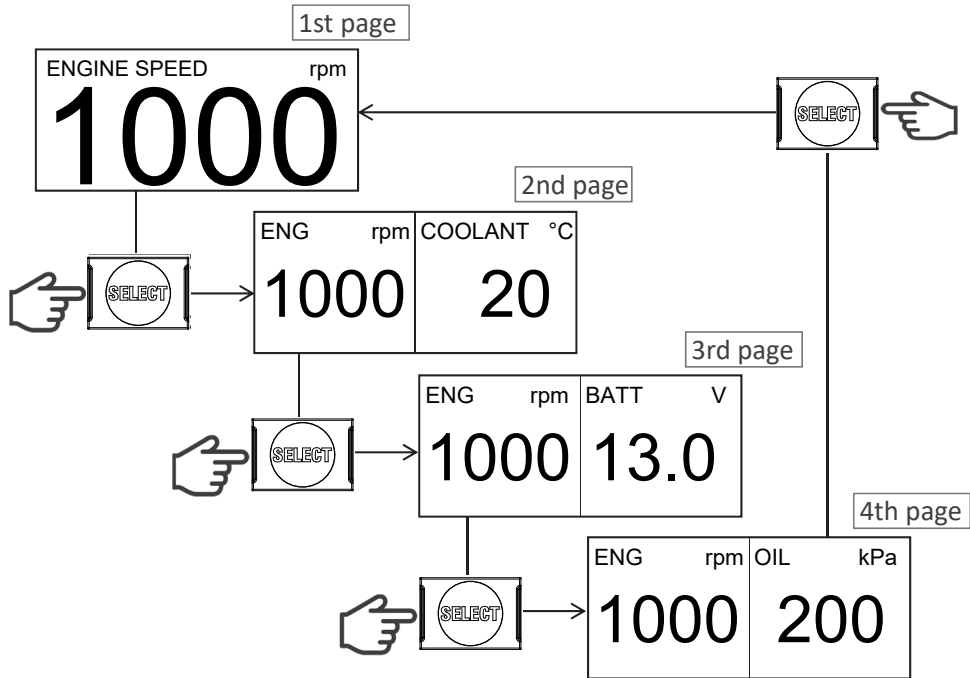


Figure 3

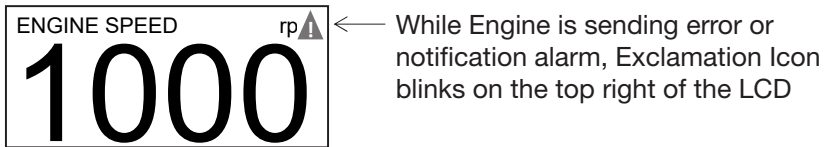


Figure 4

MAIN MENU

The Main Menu can be accessed by pressing the Enter Button while an Engine monitoring screen is being displayed. There are 4 items in the Main Menu:

- Active Alarms
- Active Errors
- Display settings
- System settings

Select [Return] and press the Enter Button to return to the Engine monitoring screen.

Active Alarms

All alarms that are currently active are listed in this screen.

Active Errors

All errors that are currently active are listed in this screen.

Selecting an error using the Select Button and pressing the Enter Button will show further details of the selected error. See **Figure 5**.

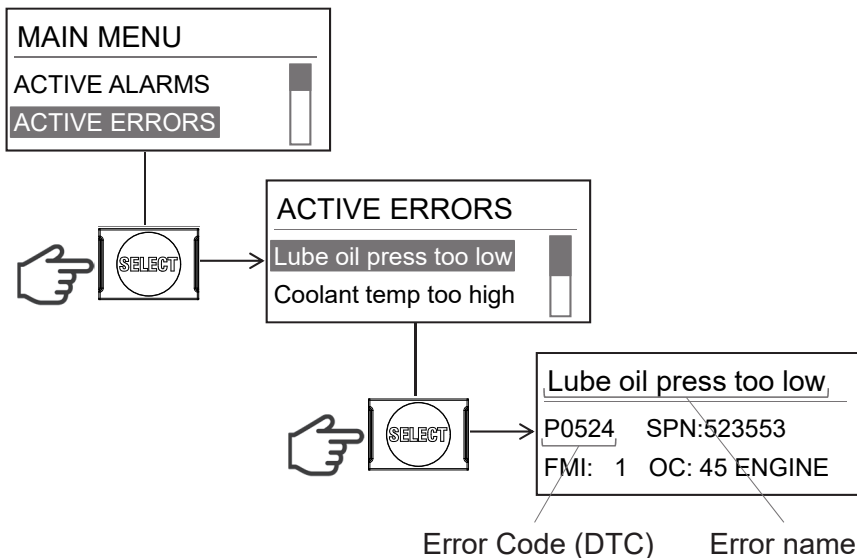


Figure 5

Display settings

Brightness

The brightness of the LCD is adjustable.

The brightness is changed from 1-8 (darkest to brightest) by pressing the Enter Button. Default setting is 5.

Contrast

The contrast of the LCD is adjustable.

The contrast is changed from 1-8 (lowest to highest) by pressing the Enter Button. Default setting is 5.

Unit

The units for Engine data are changeable from the following options:

- Temperature: °C, °F
- Pressure: kPa, bar, psi
- Fuel rate: L/hr, gal/hr, US gal/hr

The unit is changed by pressing the Enter Button.

Screen Pages

There are 4 individual Engine monitoring screen pages, that can be customized:

- Number of data per screen : 1, or 2
- Data: Engine speed, Coolant temperature, Oil pressure, Engine hours, Battery voltage, Throttle, Engine load, Fuel rate, Air pressure, Fuel temperature, Air temperature, Fuel level.

Depending on the engine, there are values that can not be displayed. In that case, "---" will be shown in the screen page.

System settings

Engine Model

Please select the correct engine model.

NOTE:

This setting is needed to indicate Active Errors correctly.

An incorrect model setting may cause incorrect error indication.

Power Mode

Power link mode can be enabled or disabled.

Power link function is used to synchronize Power ON/OFF with the other panels connected to the same engine.

NOTE:

This function is only available when 2 or more panels are installed per engine.

Power link mode needs to be enabled in all panels individually.

After switching the mode, a reboot is required for the changes to take effect.

MAIN MENU

Fuel Sensor

The fuel level sender type can be selected.

Two types are available: 0 to 190 Ω type or 240 to 33 Ω .

These are most widely used in the market. In order to display the fuel level correctly, please select a suitable fuel sensor.

Initialize

Returns all setting items to factory default.

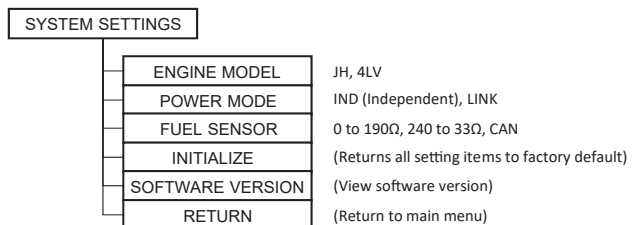
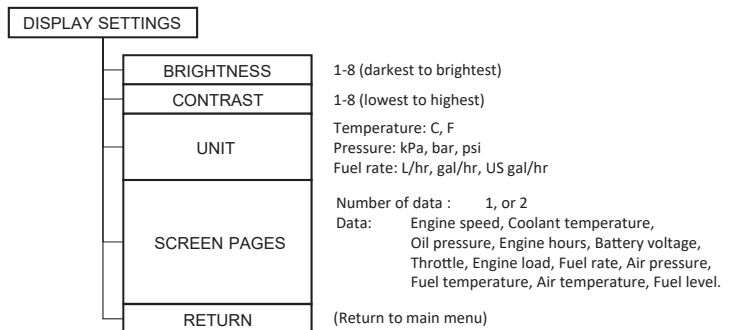
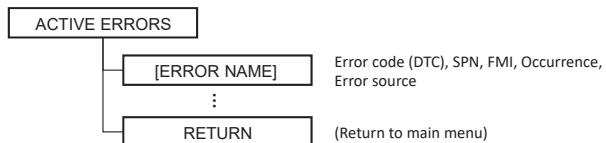
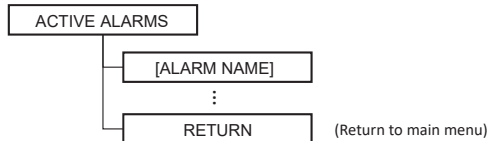
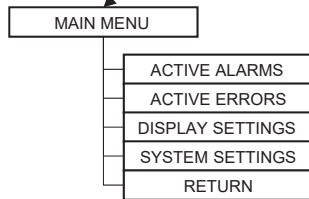
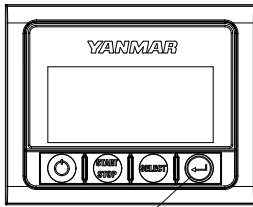
Software version

Displays the software version.

APPENDIX

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Menu structure



Dimensional drawings

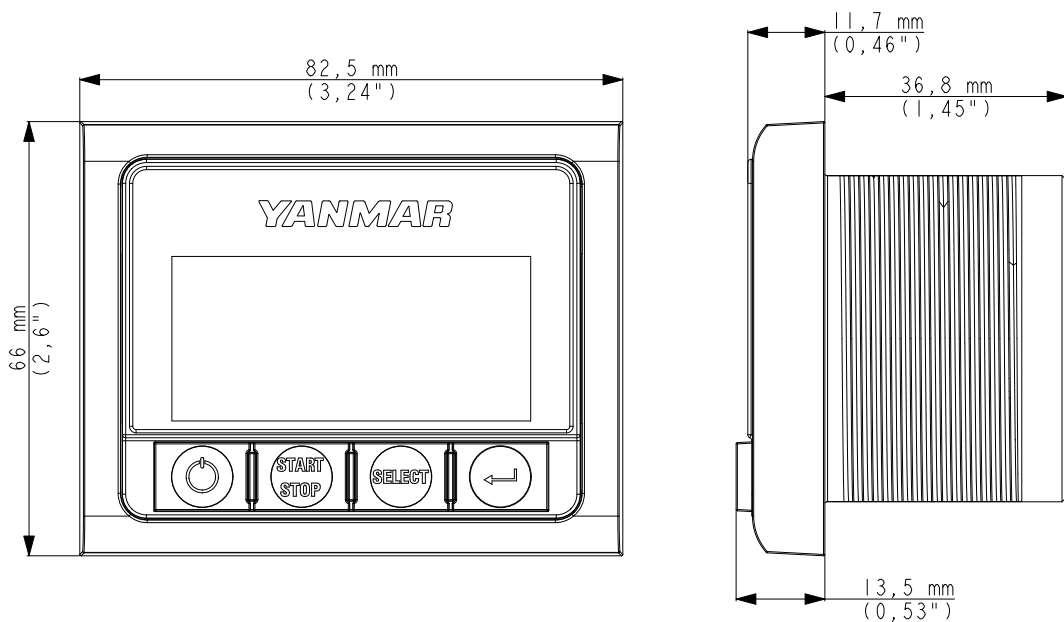


Figure 6

Technical specifications

Electrical

Supply voltage	12VDC (8 ~ 16 VDC)
Power consumption	100 mA (@ No output load)

LCD Display

Display Size	2.5" diagonal
Display Resolution	164 X 64 pixels
Display Type	Transflective monochrome LCD
Brightness	100 mcd
Viewing angles	-40° to +40°

Environmental

Waterproof rating	IPX6 and IPX7 (front) IPX7 (back)
Operating temperature	-10°C to +65°C (-13°F to +149 °F)
Storage temperature	-40°C to +85°C (-40°F to +185 °F)
Product weight	115 g

Harness installation

See **Figure 7** for the correct installation of the YD25 panel and the YD25 harness.

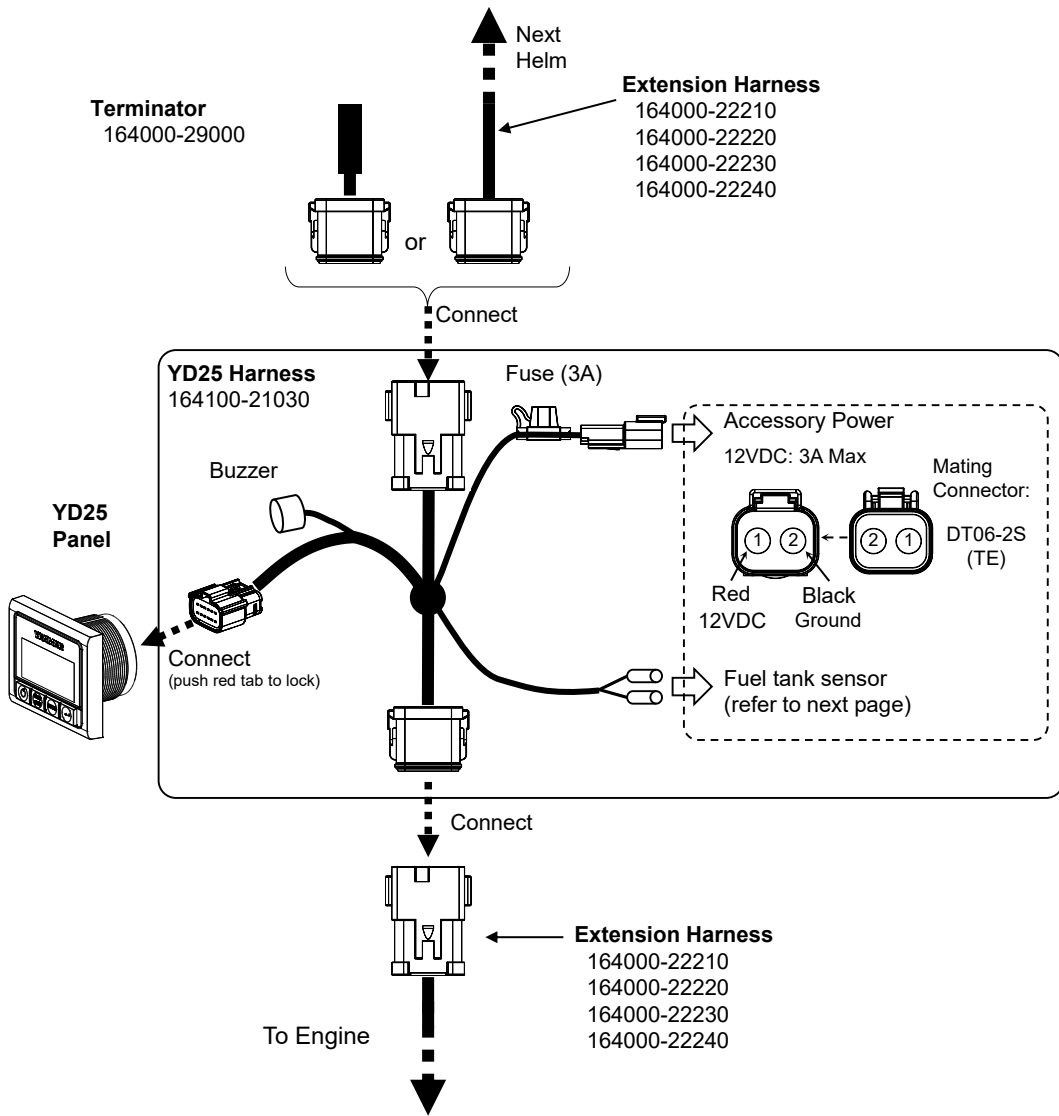


Figure 7

APPENDIX D

A fuel tank sensor can be connected to the bullet connectors as follows:

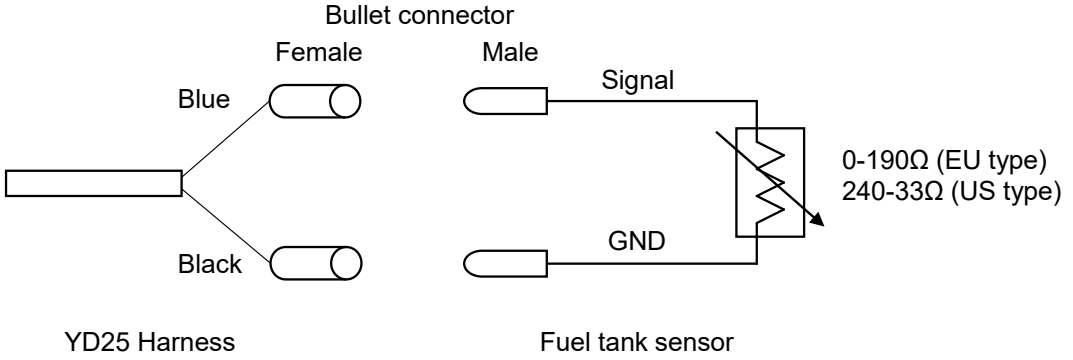


Figure 8

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