

TELEGRAPH LOGGER

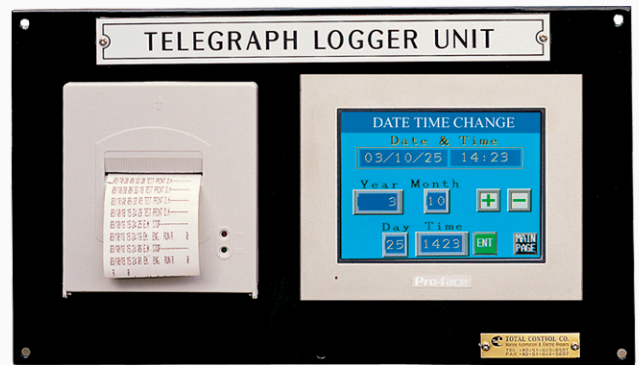
ETL-2003T

Emergency Telegraph Function



Introduction

The TOTAL CONTROL Telegraph Logger Printer Unit is designed to log specific events related to a ship's maneuvering in response to commands from bridge. Telegraph Order printer Unit handles signals from ship's control unit & telegraph handle unit to which it is interfaced and provides a continuous print out of events based on inputs from those unit and inputs from change of state.



(fig.1)

Basic Design and Operation

The Telegraph Logger Unit is an independent PLC(programmable logic controller) with logging, capabilities for 32 input channels.

The TPU contains a paper assembly comprising separate self-contained units : The printer module and the paper take up device.

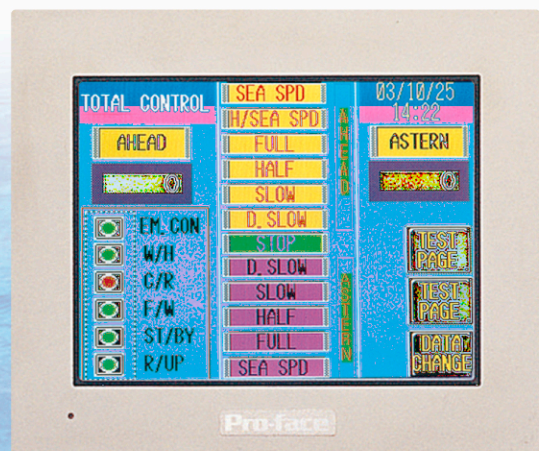
The TPU contains PLC & digital touch screen type TFT monitor which processes the signals and is also interfaced to a display/control panel. The display/control panel enables to perform it's logging, monitoring and is also used for commissioning the TPU.

Function of TPU Panel

The function of TPU panel are displayed on a digital touch screen monitor with operator controls in the form of push buttons marked on the panel.

When the TPU panel is powered on, the display unit will show the following data.

- Date and Time
- System Status
- Process Signal Values
- Propeller Shaft Revolution
- Control State Location



(fig.2)

Features

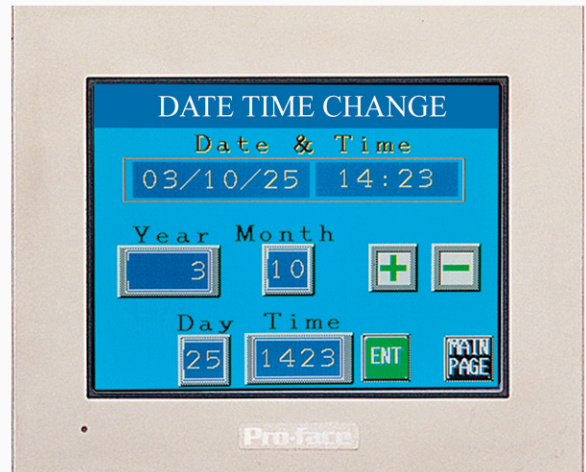
- Emergency telegraph function
- Using programmable controllers for data pooling and monitoring
- Easy installation & maintenance
- Low cost
- A user friendly touch screen LCD display unit

Operation

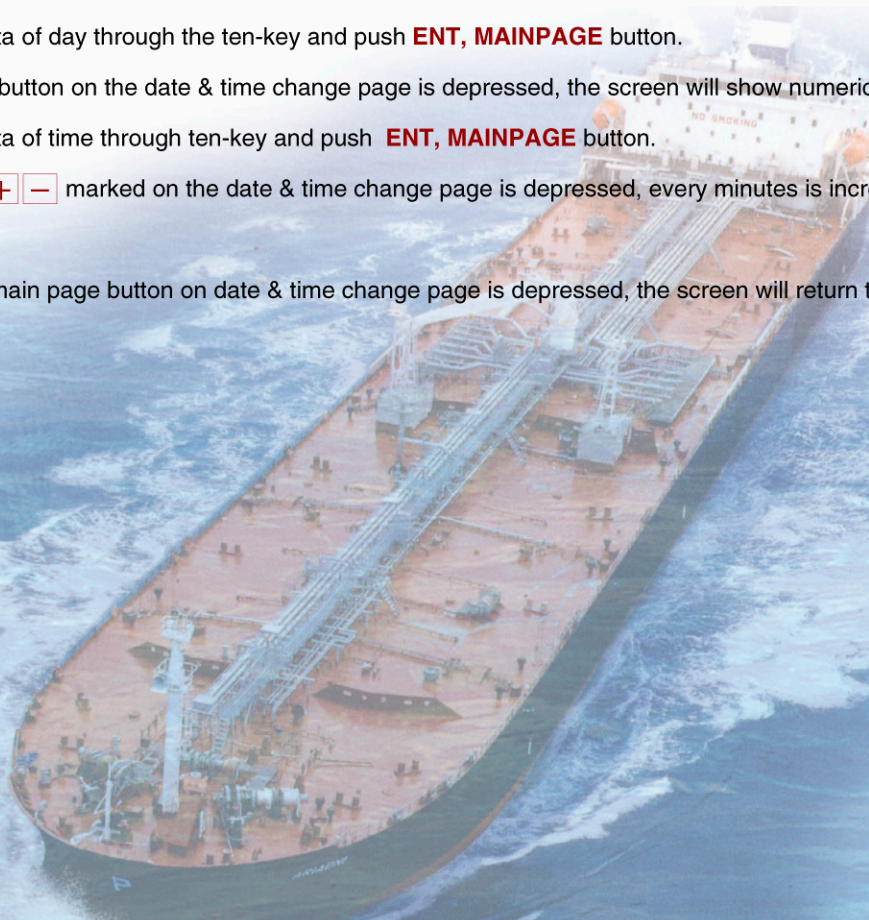
- 1) Push buttons are used for changing/adjusting the unit parameters and /or clock adjusting.
- 2) Paper feed push button is used when roll paper is installed and checking of paper feed motor.
When this button is depressed, print module is activated and roll paper proceed without printing.
- 3) Test push button is used for testing of printer unit.
When this button is depressed, touch screen will show test page.
When each position button is depressed for more than 2 seconds, each position is printed out.
If the each position is printed out, it means all function of printer unit is under normal conditions.

Procedure to set Time and Date

- 1) When DATE CHANGE button on the main screen is depressed, the touch screen will show date & time change page.
- 2) When year button on the date & time change page is depressed, the screen will show numeric keypad.
Then adjust of data of year through the ten-key and **ENT**, **MAINPAGE** button.
- 3) When month button on the date & time change page is depressed, the screen will show numeric keypad. Then adjust of data of month through the ten-key and push **ENT**, **MAINPAGE** button.
- 4) When day button on the date & time change page is depressed, the screen will show numeric keypad.
Then adjust data of day through the ten-key and push **ENT**, **MAINPAGE** button.
- 5) When the time button on the date & time change page is depressed, the screen will show numeric keypad.
Then adjust data of time through ten-key and push **ENT**, **MAINPAGE** button.
- 6) When button **+ -** marked on the date & time change page is depressed, every minutes is increased or decreased.
- 7) Finally, When main page button on date & time change page is depressed, the screen will return to page.



(fig.3)





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