FBs-PEP/ FBs-PEPR

Parameter Entry Panel

Features

- Hierarchical menu driven entry design

- Alarm function

- Customized start up screen

- Two-Level password protection

- Configurable screen saver

- Multi-lingual character display

- Menu with hint

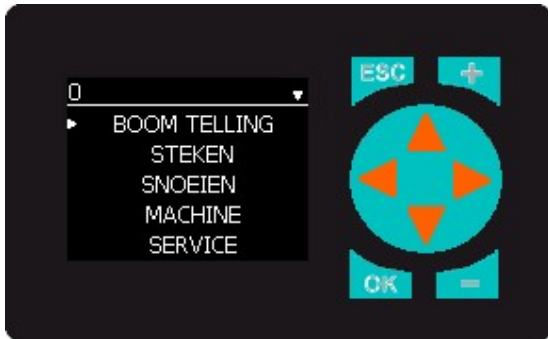- On-line/Off-line design simulation

- Wireless card reading/writing function (Available on FBs-PEPR only)

Introduction

FBs-PEP is originally designed as a cost effective and compact HMI device, which is mainly used for simple parameter entry and monitoring applications. While install, The FBs-PEP can be mounted on the control panel and be connected to Fatek PLC with RS232 interface. Besides the main feature of data entry function, it also provides the alarm function. The operation design of PEP is based on the multi-level menu driven methodology. With this method, the operation of parameter entry can be very intuitive if the whole operations were carefully categorized into different menu levels.

The PEP utilizes the dot matrix OLED display which makes it highly visible and can be shown patterns and multi-lingual characters.

The FBs-PEPR is embedded with additional wireless card reading/writing module (RFID) which supports the standard Mifare S50 card.

The programming of user menu for PEP is by using the accompany utility – PEP Designer. With this utility, the user can design and simulate the menu design before actually download it to the PEP.

Specifications

Display Resolution – 128 x 96

Display Size– 1.3 inch

Display Device –white light OLED

Max. Levels of Menu – 6

Max. Menus per Level - 10

Max. Menus Per Screen – 5

Max. Start up Screens - 16

Max. Alarm Messages – 64

Number of Operation Keys – 8

Max. Size of Menu Program – 128K Bytes

Menu Types – Menu, Value, List, Action

Action Types – Force On, Force Off, Toggle, Force Value, Add Value, Push On, Push Off.

Interface – RS232

Power Consumption –5V, 150mA (FBs-PEP)
                                      –5V, 200mA (FBs-PEPR)

Operating Temperature –0 ~ 60 ℃

Storage Temperature -20 ~ 80 ℃

Dimension – 76x48x24 (mm, WxHxD)

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Sample Screenshots

Startup Screen

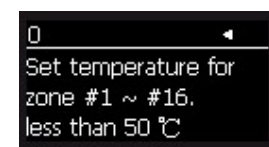Menu Screen

Value Screen
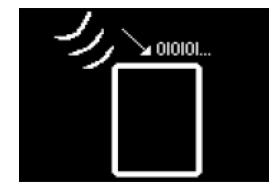
List Screen

Action Screen

Alarm Screen

Screen Saver

Menu Hint

Card Reading
(PEPR only)

Card Writing
(PEPR only)

Installation note for PEP module:

1. The menu design for PEP module is conducted on the PC with PEP Designer software. While transfer the menu design from the PC to PEP module, the PLC should at least equip 2 communication ports. One is RS232 port for PEP module connection, the other is communication port for PC connection.
2. For normal operation usage, there should equip one RS232 communication port for PEP connection.

Remarks:

In view of characteristic of LED monitor please set screen saver(dark screen) to avoid lighting on for long time then shrink product life and lose backlight.