REMOTE CONSOLE PDC-R (MODEL 03.051)

Installation Instructions

This is a quick reference guide for the FireSense Remote Console. For more detailed system information, please refer to the “Installation & Operation Manual” Doc. # 03.050.INST-B. Please note this instruction will not address the specific programming or operational procedures.

1 Remote Display Annuciator

In addition to the local PDC-UL the FDX-5000 also allows to connect the remote Display Annunciator (Remote Console). The maximum amount of Remote PDC-R that can be connected to one Panel is 15.

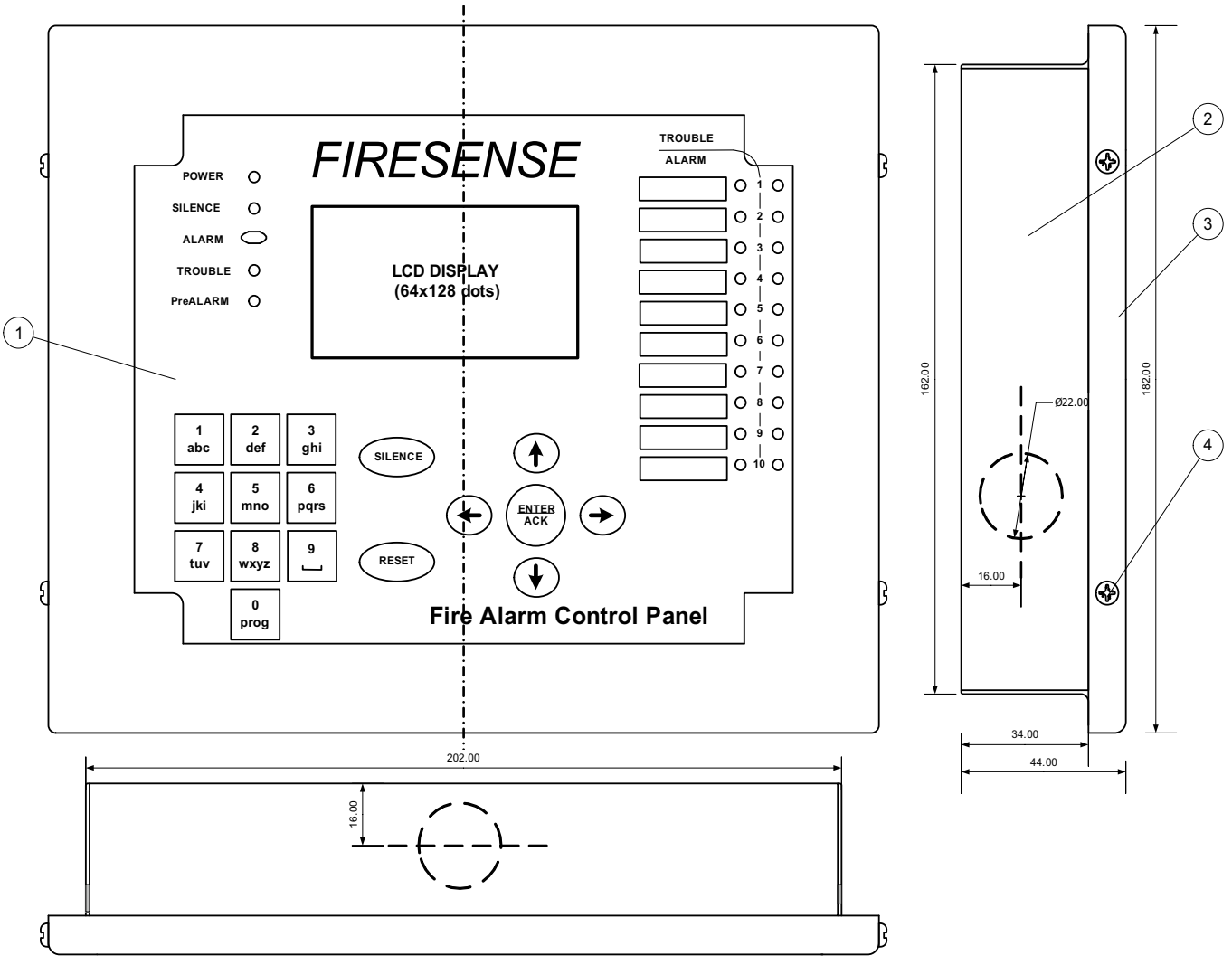

Fig.1. Remote Console Diagram

The Remote Console (Model 03.051) is intended for recessed mounting and includes the Remote PDC-R module (Model # 03.052) and the Remote Console Enclosure (Model # 03.084). The PDC-R (pos.1 as shown in Fig.1) is tied by four nuts to the frame (pos.3) and from the back side the frame is tied to the box (pos.2) by four screws (pos.4). The PDC-R module is connected to the proprietary RS-485 network. The address of Remote may be from "1" up to "15", it is put on by DIP switch on PDC-R module. The Remote Console will mimic the Local Display at the main panel and allows Silence and Reset functions.

2 PDC-R SPECIFICATIONS

PDC module contains:

- Graphical LCD display 64x128 points with LED backlight
- 17 key keyboard.
- 25 System Status LEDs
- Piezo buzzer

PDC module provides the following functions:

- Indication by LCD screen of the system events and input/output system configuration parameters.
- LCD indication font – 6x8 dots for one character
- Characters quantity – 160 (8 lines x 20 characters)
- Multilanguage options - according to customer order.
- System command entering by keyboard
- System status indication by LEDs
- Communication with main Panel – by RS485 internal network

PDC parameters are shown below

- Nominal power supply voltage - 24 VDC
- The PDC standby current draw – 19 mA
- The PDC alarm current draw without backlight – 25 mA
- The PDC alarm current draw with backlight (5 sec. after key pushing) – 80mA

3 Remote Console installing

The Remote Console is intended for recessed mounting. Prepare the hollow (205x185x35 mm) in the wall and install the wire conduits according to your system configuration. Loosen the screws and remove Frame. Open the needed knock holes and tie the enclosure to the wall by screws in the wall hollow. Connect power and network to PDC-R according to next paragraph. Place the Frame with module on mounted enclosure and tie it by screws.

4 PDC-R connection to RS-485 network

The PDC-R module should be connected to power and network according to Fig.2. The like contacts of P2 and P3 are shorted therefore Control panel or previous devices may be connected to PDC-R via P3 and next device may be connected via P2. The PDC-R module should be connected to the P2 MCC terminal block (terminals # 6, 7, 9, 10). Put on the Console address by DIP switch on PDC-R module according to Fig.3. If the Console is to be used as the last on the network, dipswitch 'END REM' must be put to the ON position (look Fig.4).

ATTENTION: The maximum distance from Panel to remote PDC module is depended of drop voltage in power line wires. The voltage drop must be not more than 3 V on each power wire at current 80 mA. For example if one remote PDC is connected directly to Panel, then maximum distance may be 1750 m (18AWG) or 2875 m (16AWG).

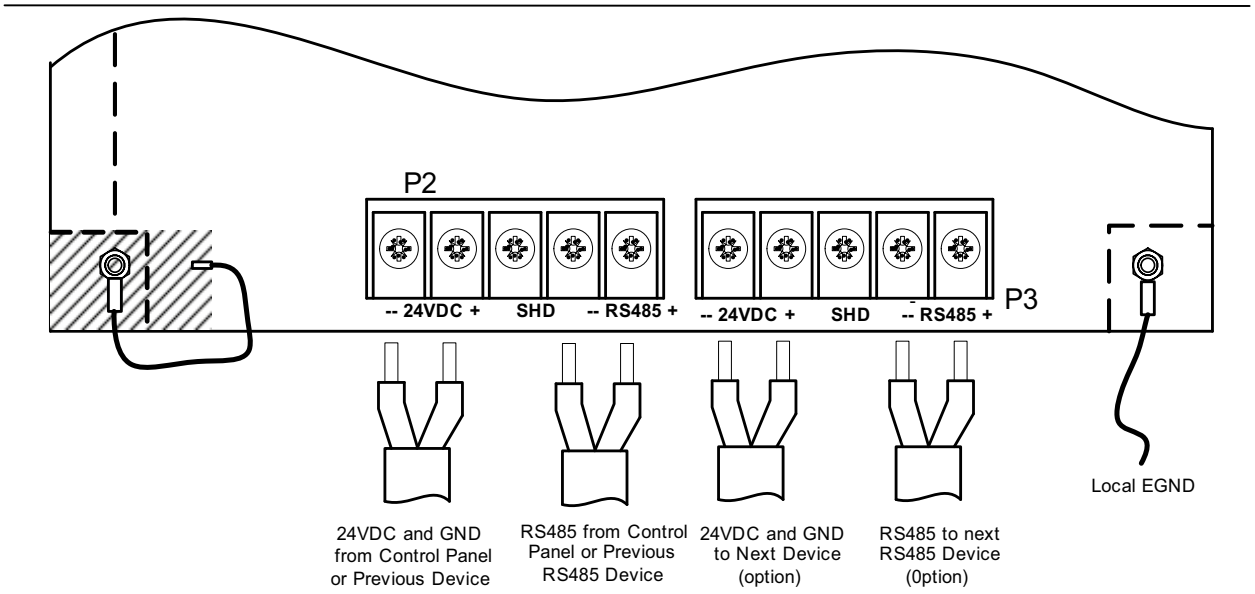

Fig. 2. PDC-R connection to RS-485 network

All wires must conform to local codes, ordinances and regulations.

CAUTION!!!

If this module will be connected to an existing operation system, inform operator and local authority that the system will be temporary out of service. Disconnect power to control panel before installing module

PDC module address - **SW1**

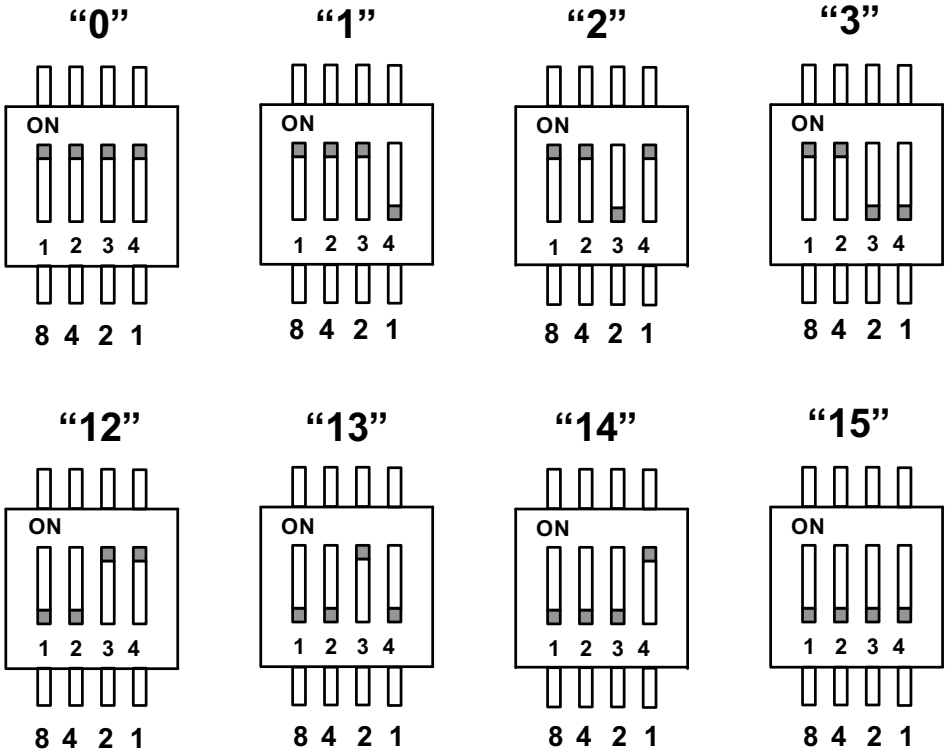

Fig. 3 The switched address examples

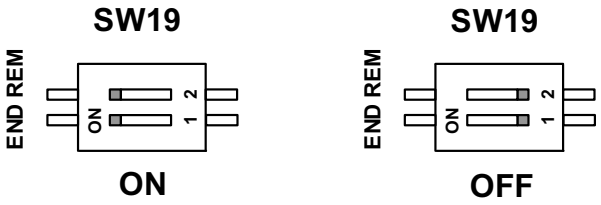

Fig. 4. Connection of load resistor to Network