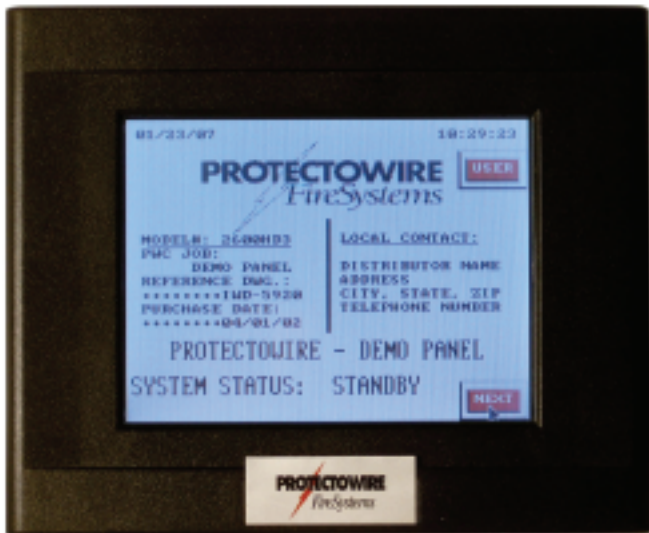




FireSystem 2600HD Series – Type 3 System Control Unit



Features

- Personal Computer Logic Controller (PCLC)
- Touch screen full color display panel
- Protectowire Alarm Location Meter
- Automatic alarm scanning
- Data history logging
- Expanded communication capabilities

Description

The 2600HD Industrial Fire Control Panel Series consists of three distinct system control units. The standard control unit has been designated the 2600HD1. This model consists of a main control board, power supply and Protectowire Alarm Point Location Meter. A non-metered version of the standard control unit, model 2600HD2 is available for those applications that do not require a Protectowire Alarm Point Location Meter. The third configuration identified as model 2600HD3, consists of a main control board, power supply, and Personal Computer Logic Controller (PCLC) with color touch screen display for system alarm and trouble annunciation.

The 2600HD3 incorporates a PCLC and related data acquisition modules to form a network within the 2600HD Control Panel. The PCLC internal network processes output signals from the conventional portion of the panel and is capable of communicating fire detection system data to existing Programmable Logic Controllers (PLC) within a facility. With the availability of over 80 standard software drivers, the 2600HD3 is capable of communicating with many of the popular PLC models currently available. Consult the Factory for a complete list of compatible software drivers and any additional costs which may be applicable to specific PLC models.

The ability to seamlessly integrate the 2600HD3 Control Panel with existing PLC systems, offers substantial installation cost savings to the customer by minimizing the use of valuable PLC I/O points and replacing the extensive field wiring needed to these points with a single three or four conductor cable.

The standard 2600HD3 configuration with its PLC based touch screen display panel provides the following screens for operator interface:

Home



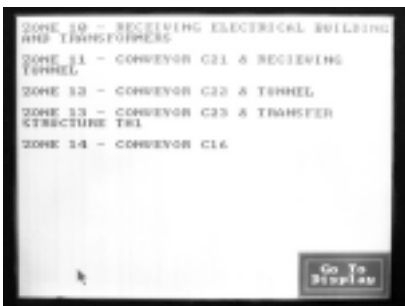
The **Home** screen provides general information including system status, time, date, model number, serial number, reference drawing number, and the name and address of the authorized Protectowire distributor who initially sold the system. This screen is automatically displayed after system power-up. Pressing the “NEXT” button displays the **Annunciator** screen.

Annunciator



The **Annunciator** screen shows more detailed individual alarm and trouble information for each detection, supervisory, or water flow input zone. This screen also displays the alarm point location in linear distance for each activated Protectowire Linear Heat Detection zone. From this screen press the “ZONE DES” button to obtain detailed area designations listed on the **Zone Description** screen.

Zone Description



This screen provides a reference for the user to obtain detailed area descriptions of the various input zone circuits contained in the system. Access to this screen is accomplished by using the “ZONE DES” button on the **Annunciator** screen. Return to the **Annunciator** screen by pressing the “DISPLAY” button.

Zone Alarm Scanner/Meter



The **Zone Alarm Scanner/Meter** screen monitors all of the Protectowire Linear Heat Detector zones in the system for an alarm condition and provides a numeric zone reference number along with the actual alarm point location expressed in linear distance on the Protectowire detector. “ZONE BYPASS” switches are provided to omit a zone(s) (typically a smoke detection zone) from the scan cycle. The scan cycle is started by pressing the “SCAN START” button. A “STOP/STEP” button is provided which allows the user to manually stop the scan cycle entirely or to incrementally step to a specific input zone. A built-in watchdog feature restores the scanner to the automatic scanning mode after approximately 1 minute of stop mode operation even during startup. Access to this screen is accomplished by pressing the “NEXT” button on the **Annunciator** screen. Press the “HISTORY” button to view the **History** screen.

History

The **History** screen provides a continuous time and date log of alarm and trouble signals received at the control panel. This information is useful in maintaining a complete record of reported incidents and assists service personnel in restoring the system to normal operating condition after the receipt of any off normal trouble or alarm signals. Pressing the “RETURN” button reverts the display back to the **Scanner/Meter** screen.

Configuration



The password protected **Configuration** screen is available to authorized service technicians for minor system programming adjustments. Zone scanning limits, meter offset, scanner watchdog timer, and delay to read timers are several of the functions that can be set from this screen. These settings are normally factory preset and do not need adjustment.