Integlex Multicrest™ N3060
fire alarm system

PCA-N3060-MCU
Main Control Unit

Features

- UL 864, 9th edition listed
- 10.4 inch color touch screen LCD
- Multi-event display
- Address map (Collective address status display)
- Sensor monitor (Analog detector sensing level graphical indication)
- One touch activation for zone outputs
- Custom action guidance messages for alarm, supervisory, and other events
- Voice messages
- Symbolized alarm and discharge indicators
- 8 programmable zone indicators
- Mini-B USB connector for database downloading/uploading
- Battery monitor
- NAC synchronization (Amseco, Gentex, Wheelock)
- 2,500 event logs (plus additional each 1,000 event logs of Alarm, Supervisory, and Trouble)

SIGNALING
UL LISTED

Description

The PCA-N3060-MCU is the user interface unit of the fire alarm control panel that consists of a 10.4-inch color touch screen, 10 system status indicators, 8 programmable zone indicators, 6 system control switches, and a speaker.

The touch screen makes it quicker and easier for the operator to use the FACP. The PCA-N3060-MCU provides various, comprehensive information on the 10.4-inch LCD. The PCA-N3060-MCU is capable of displaying multiple system events on the LCD at once such as a First Alarm, Subsequent Alarms, Supervisory, Output Device Status, Pre-discharge/Discharge of fire suppression systems, Bypass of device, Device Trouble, and System Trouble. The PCA-N3060-MCU also has a feature for displaying collective addresses' statuses on the LCD (Address Map). When the screen is switched to the Address Map, 128 addresses' statuses can be identified at a glance on the LCD. The color of an address's icon changes when the address' status changes. These functions of PCA-N3060-MCU LCD help the operator to grasp the big picture of the system status easily.

The PCA-N3060-MCU has an action guidance message display feature. Custom action guidance messages can be programmed for alarm, supervisory, and other device activation events. When the GUIDE button on the LCD is pressed during the occurrence of a designated event condition, the pre-programmed guidance messages are displayed on the LCD so that the operator will be able to take appropriate action.

The PCA-N3060-MCU has a feature called Sensor Monitor for indicating the sensing level (smoke level or heat level) of a designated analog fire detector graphically on the LCD. This feature is useful when a particular fire detector's sensing level should be monitored in some cases. Sensor Monitor is selected for either the last 3 minutes or last one week.

One touch zone activation of the PCA-N3060-MCU activates all the outputs configured in a zone by touching the corresponding button on the LCD. This function is useful for testing & commissioning and maintenance periods. Thirty-six sets of one touch activation buttons are available per system.

The PCA-N3060-MCU is equipped with the functionality of the voice message. Upon the occurrence of a type of event (alarm, supervisory, trouble, device activation, or fire suppression agent discharge), a pre-recorded voice message for the type of event is played to attract the attention of the operator.

Ordering Information

Part No. PCA-N3060-MCU

Specifications

No.	Item	Specification
1	Maximum 24 VDC standby current	95 mA
2	Maximum 24 VDC alarm current	230 mA
3	Ambient operating temperature range	0 to 49 °C (32 to 120 °F)
4	Communication for PSA-N3060-SCU	RS-485
5	Communication for PCA-N3060-PSU	RS-485
6	Communication for PCA-2706XA-NIU	RS-232C
7	Dimensions	415 mm (16.34")(H) x 350 mm (13.78")(W) x 65 mm (2.56")(D)

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Install in accordance with the installation manual.

Figure 1: An example of PCA-N3060-MCU in a panel

Figure 2: PCA-N3060-MCU
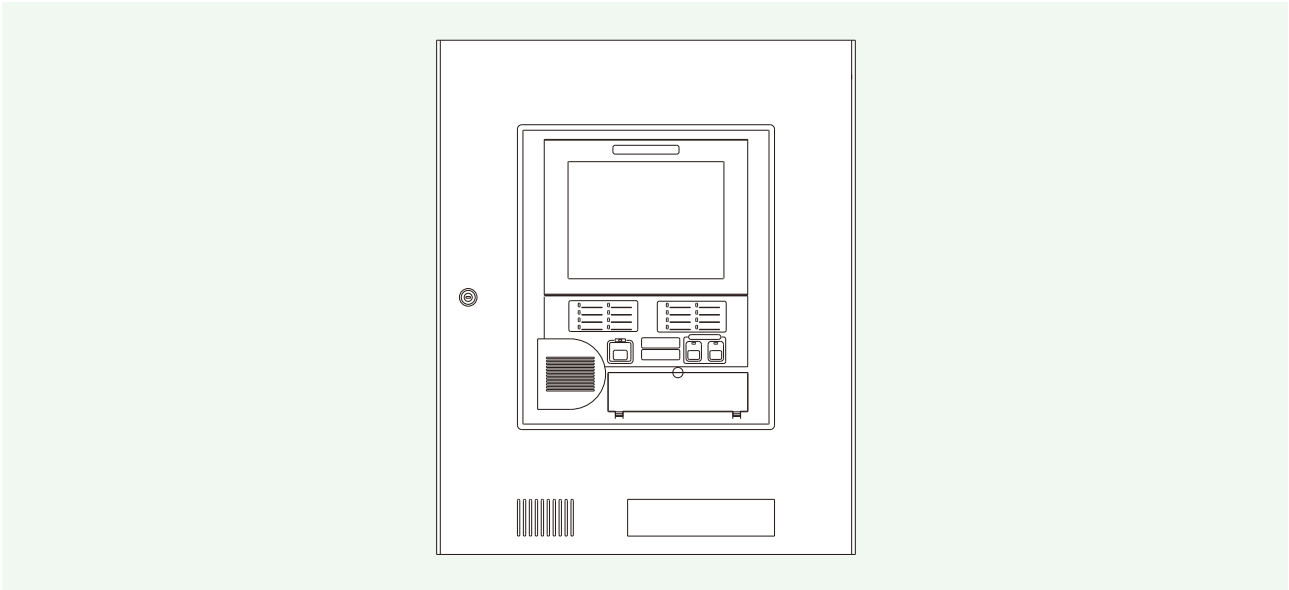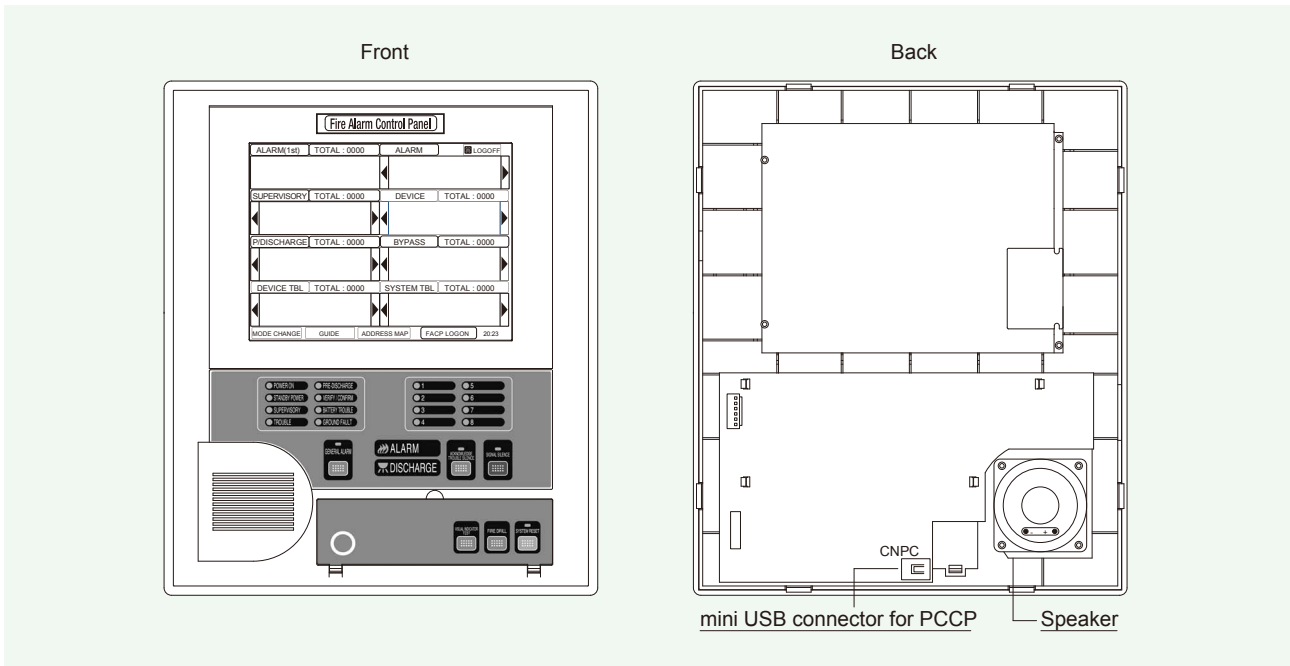
Front   Back

mini USB connector for PCCP   Speaker

NOTE

- The information contained herein does not purport to cover all the details or variations of the equipment described, nor to provide for every possible contingency that may be met in connection with its installation, operation or maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on the information.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or your nearest distributor.

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