

## Integlex Multicrest N765

### Analog Addressable Fire Alarm Control Panel

#### Features

- UL864 10th Edition listed
- 100 to 240VAC, 50/60Hz input power
- 127 or 255 addressable devices per SLC, optionally expandable to 765 addressable devices with three SLCs
- Network capability up to 64 nodes
- SLC Class B, Class A, and Class X
- 2 NACs, Rated at 3.0 A each, Class B and Class A
- 1 auxiliary power, Rated at 1.0 A, Class B and Class A
- Total 5.0 A power supply
- 2 programmable input circuits
- 3 programmable relay outputs and 1 dedicated Trouble output
- 160 characters LCD (40 letters x 4 lines)
- 4 programmable zone indicators
- NAC synchronization (Gentex, Wheelock, Amseco)
- 4,000 event logs
- 3,000 conventional zones, 3,000 inter panel zones
- Available for gas suppression control



#### Description

The Integlex Multicrest N765 is a scalable analog/addressable fire alarm control panel with a total of 64 nodes in a network. The N765 can be programmed of any combination of smoke detector, heat detector, and modules, a total of 127 (50 ohms impedance) or 255 devices (25 ohms impedance) on a Signal Line Circuit. The N765 may be expanded up to 3 Signal Line Circuits, a total of 765 devices with a sub control unit PCA-N3060-SCU.

The operator interface consists of a 160-character LCD, system status LEDs, a local status buzzer, system control switches, and 4 programmable zone indicators. The LCD and the status LEDs inform the latest system information to the operator. The N765 is secured with a software password to prevent tampering the control panel by unauthorized persons.

The N765 has a 5.0 A power supply with two Notification Appliance Circuits (NACs) and one auxiliary power circuit. The NACs are rated at 3.0 A each and the auxiliary power circuit is rated at 1.0 A. The NACs are programmable and may be configured for NAC codes, strobe synchronization, constant power, or releasing. The strobe synchronization protocol includes Gentex, Wheelock, and Amseco.

The N765 is also listed for releasing of gas suppression systems. The software allows cross zones and counting zones with a total of 64 zones each. The N765 allows to connect a unique gas suppression control unit (FRRU004-GSCU) that is equipped with Auto/Manual changeover switch, countdown timer, two NACs, manual release circuit, abort input circuit, and discharge indicator circuit to make the configuration of gas suppression easy.

#### Ordering Information

Main Control Unit: PCA-N765-MCU  
 Enclosure (White) with Power Supply: ECP-N765-S-NW  
 Enclosure (Red) with Power Supply: ECP-N765-S-R  
 Sub Control Unit: PCA-N3060-SCU (option)

Network Interface Unit: PCA-2706XA NIU (option)  
 Fiber-optic Interface Module: PCA-2707XA FIM (option) or  
 PCA-N3060-FIM2 (option)  
 LAN Interface Unit: PCA-N765-LAN (option)

#### Specifications

PCA-N765-MCU

No.	Item	Specification
1	AC input rated voltage	100 to 240 VAC
2	AC input voltage frequency	50/60 Hz
3	AC input power	Max. 2.1 A at 100 VAC, Max. 0.9 A at 240 VAC
4	Maximum 24 VDC standby current	150mA (not including output load)
5	Maximum 24 VDC alarm current	270mA (not including output load)
6	Ambient operating temperature	0 to 49 °C (32 to 120 °F)
7	Rating for NAC1 and NAC2	3.0 A per circuit
8	Rating for Auxiliary power (AUX)	1.0 A
9	Rating for total of NAC1, NAC2, and AUX	5.0 A for three circuits (*)
10	Wiring style for NAC1, NAC2 and AUX	NFPA Class B and Class A
11	Rating for contact output	2.0 A
12	Wiring style for input circuit	NFPA Class B
13	SLC wiring style	NFPA Class B, Class A, and Class X
14	Maximum number of addresses per loop	127 / 255 addresses
15	Maximum SLC loop resistance	50 Ω (for 127 addresses), 25 Ω (for 255 addresses)
16	Maximum SLC loop capacitance	0.5 μF (for 127 addresses), 0.4 μF (for 255 addresses)
17	Maximum battery charging current	1.2 A
18	Standby battery capacity range	7 to 40 AH
19	Remote annunciator wiring style	NFPA Class B
20	Maximum remote annunciator	30 units
21	Maximum wiring length for remote annunciator	1.2 km (with 40 Ω and 0.4 μF)
22	Communication for remote annunciator	RS-485
23	Serial connection	RS-232C
24	Dimensions	217 mm (8.54") (H) x 280 mm (11.02") (W) x 36 mm (1.42") (D)

\*) When using the NAC synchronization in NAC1 and/or NAC2 circuits, the total output of the synchronization circuits is limited to 3.0 A.

## Specifications

ECP-N765-S-NW (White) / ECP-N765-R (Red)

No.	Item	Specification
1	Ambient operating temperature	0 to 49 °C (32 to 120 °F)
2	Dimensions	506 mm (19.92")(H) x 377 mm (14.84")(W) x 102 mm (4.02")(D)

## Installation

Install in accordance with the installation manual.

Figure 1: Status with the intermediate plate closed

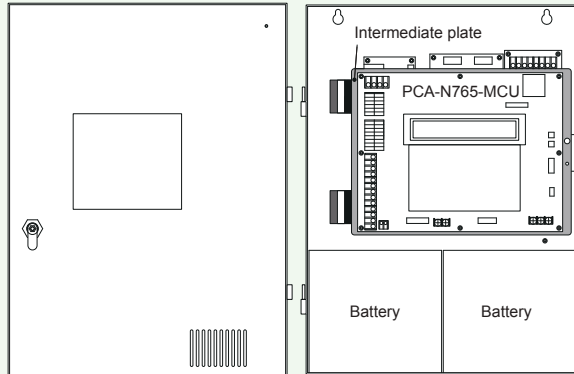
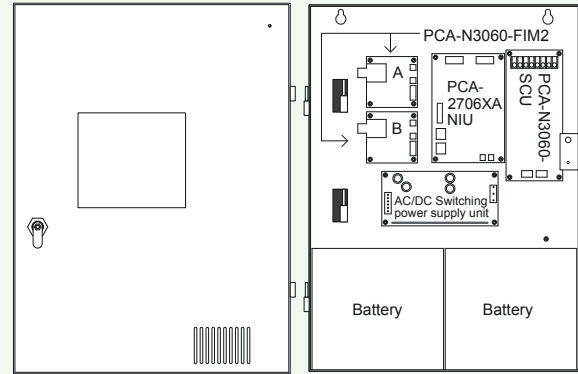
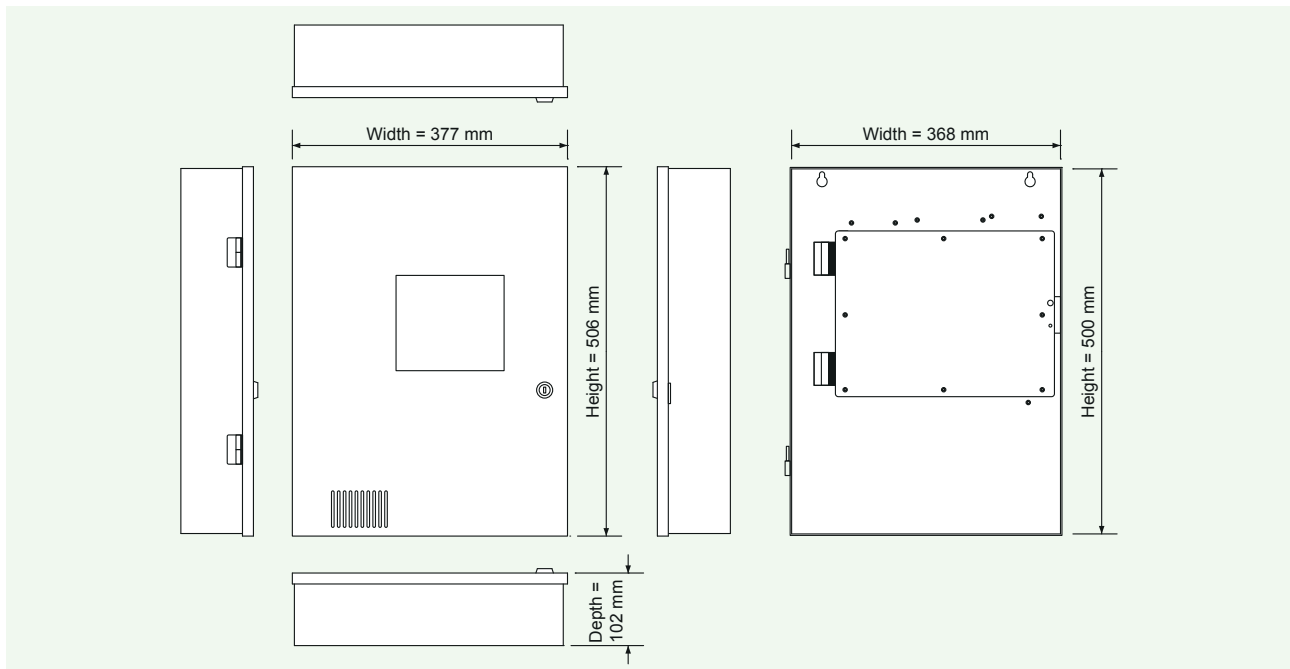


Figure 2: Status with the intermediate plate opened



## Dimensions



### Notice

- These instructions do not purport to cover all the details or variations in the equipment described, nor provide for every possible contingency to be met in connection with installation, operation and maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on above specifications.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purpose, the matter should be referred to Nohmi or a distributor in your region.

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