

Specifications

Power Supply Board PFC-8000

No.	Item	Specification
1	Input at full load	228VA
2	Frequency	50/60Hz
3	Output voltage	24VDC
4	Output full load current	6.5A
5	Maximum ripple Vp-p	150mV
6	Maximum wattage	156W max. cont.
7	Ambient operating temperature	0°C to 49°C (32°F to 120°F)
8	Dimensions	77.0mm (3.03 inches) (H) × 172.0mm (6.77 inches) (W) × 58.0mm (2.28 inches) (D)

Transformer PFC8500 (120) and PFC8500 (230)

No.	Item	Specification	
		PFC8500 (120)	PFC8500 (230)
1	Primary rated voltage and frequency	120VAC, 50/60Hz	230VAC, 50/60Hz
2	Rated voltage of terminal 1 (GRN - GRN)	20.0VAC ±5%	20.0VAC ±5%
3	Rate voltage of terminal 2 (BLU - BLU)	32.0 VAC ±5%	32.0 VAC ±5%
4	Rated current of terminal 1 (GRN - GRN)	5.0A AC	5.0A AC
5	Rated current of terminal 2 (BLU - BLU)	6.9A AC	6.9A AC
6	No load voltage of terminal 1 (GRN - GRN)	21.5VAC ±5%	21.4VAC ±5%
7	No load voltage of terminal 2 (BLU - BLU)	34.6VAC ±5%	34.3VAC ±5%
8	Dimensions	118.5mm (4.67 inches) (H) × 93.5mm (3.68 inches) (W) × 83.5mm (3.29 inches) (D)	

Cabinet ECL-S508 NY (Beige/Yellow) / ECL-S508 R (Red)

No.	Item	Specification
1	Ambient operating temperature range	0°C to 49°C (32°F to 120°F)
2	Enclosure rating	NEMA-1 (indoor – general purpose)
3	Dimensions	615.9mm (24.25inches) (H) × 376.9mm (14.84inches) (W) × 131.8mm (5.19inches) (D)

Ordering Information

- Power Supply Board : Part No. PFC-8000
- Transformer 120VAC : Part No. Transformer PFC8500(120)
- Transformer 230VAC : Part No. Transformer PFC8500(230)
- Enclosure (Beige/Yellow) : Part No. ECL-S508 NY
- Enclosure (Red) : Part No. ECL-S508 R
- Addressable Loop Expander (optional) : Part No. PCA-2442X ALE

NOTICE

- These instructions do not purport to cover all the details or variations in the equipment described, not 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.

NOHMI
NOHMI BOSAI LTD.

- Head Office: 4-7-3 Kudan-Minami, Chiyoda-ku, Tokyo 102-8277, Japan
- Phone: (81)3-3265-0231
- F A X: (81)3-3265-5348
- URL <http://www.nohmi.co.jp/english/>

Contact

Catalog Number 1200820®-F-15500Y01

Integlex Multicrest™ S508

fire alarm system

ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL



Features

- One SLC for 127 addressable devices, optionally expandable to four SLCs for 508 addressable devices
- 80 characters LCD (20 characters × 4 lines)
- Intelligent anti-tamper protection by a key lock and passwords
- Panel address setting
- System data configuration on panel front
- 120VAC or 230VAC input power selectable



Description

The Integlex Multicrest S508 Fire Alarm Control Panel is an intelligent addressable fire alarm control panel, with a "Simple" and "Compact" design concept.

The panel can be programmed to communicate with smoke detector, heat detector, and modules, a total of 127 devices on a Signal Line Circuit. The panel may be expanded to support up to 4 Signal Line Circuits, a total of 508 devices, when 3 of addressable loop expander PCA-2442X ALE are configured.

The operator interface consist of a 80-character LCD, system status LEDs, a local status buzzer, system control switches, a numeric keypad, and a key-lock switch. The LCD and the LEDs communicate the latest system information to the operator. The local buzzer audibly attracts the operator's attention during status change occurrences. The key-lock switch prevents unauthorized persons from tampering the control panel operation. When an authorized operator does not have the key for key-lock, entering pre-configured software passwords by the keypad enables the control panel operation.

The control panel has a function to set address numbers of addressable devices directly connected to the panel, which eliminates the dedicated address setting device. The control panel also possesses the system data configuration function, which enables the user to easily configure the system from the panel.

The remote annunciator output provides the panel with the ability to interface to remote annunciators. The annunciator connection is a proprietary protocol operating over RS-485 style communication bus.

The power supply part of the panel consists of the DC switching power supply and a transformer. It provides a regulated 24VDC output on auxiliary output terminal blocks for use by external devices such as notification appliances, remote annunciator, 4-wire smoke detector, etc.

Specifications

PCA-2440X S508 (Main Control Unit)

No.	Item	Specification
1	Maximum 24VDC current rating	202mA
2	Maximum 24VDC alarm current rating	322mA
3	Ambient operating temperature	0°C to 49°C (32°F to 120°F)
4	Dry contact output ratings	2A at 30VDC (resistive)
5	24VDC output wiring style	NFPA Style Y or Z
6	24VDC maximum output current	1.5A per output × 4 outputs, 3.0A per output × 2 outputs, 3.0A per output × 1, 1.5A per output × 2 outputs
7	Applicable SLC wiring style	NFPA Class A (Style 6 & 7), Class B (Style 4)
8	Maximum no. of address per SLC	127 addresses
9	Maximum SLC resistance	50Ω
10	Maximum SLC capacitance	0.5 μF
11	Remote annunciator bus wiring style	NFPA Style 4
12	Maximum remote annunciator number	31 units
13	Maximum circuit resistance of RA bus	1.2km (4,000 feet), 40Ω, 0.4μF
14	Remote annunciator bus connection	RS-485
15	Serial output connection	RS-232C
16	PCCP connection	RS-232C
17	ALE connection	RS-485
18	Dimensions	220mm (8.66inches) (H) × 320mm (12.60inches) (W) × 43mm (1.69inches) (D)

NOHMI
NOHMI BOSAI LTD.

