



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 5-08-E

Manufacturer: Harrington Signal Inc., 2519 4th Avenue,
Moline, Illinois 61265

Trade Name(s): Harrington Signal Inc.

Product: Fire alarm control panel

Pertinent Code Section(s): Reference Standard RS 17 and Subchapter 17

Prescribed Test(s): UL 864

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL File S1411, Project 05CA44414, issued
March 31, 2006.

Description: Fire alarm control panel.

The P110 fire alarm control unit is designed for non-coded and voice evacuation systems in commercial, industrial and institutional applications, with the capability of system networking. Up to (10) annunciator control units and (5) relay modules may be networked with the master control unit. The system is field programmable at the master control unit, which contains the system processor, programming port, printer port and non-volatile memory for system firmware. Custom software is installed to provide special relay function, zone LED annunciation, custom zone and device read-out messages, etc.

The P1SS initiating circuit module allows configuration of (1) Class B (Style 4) or Class A (Style 6 or 7) analog addressable loop with up to (198) devices.

The P110 fire alarm control units provide (2) supervised output notification circuits for Class B (Style Y) or Class A (Style Z) horns, horn/strobes, bells or chimes, and each is rated 3.0 amps @ 24VDC. The P1N2 NAC expansion module allows configuration of (2) additional Class B or Class A circuits.

The P110 control unit internal power supply also provides a total of 2.0 amps when (1) PX3 transformer is used and 6.0 amps when (2) PX3 transformers are used. The internal power supply also provides a built-in battery charger with battery supervision circuitry. Total notification circuit loading must be calculated to assure adequate power supply and battery capacity based on standby requirement (hrs.) and alarm (mins.). When required, additional approved notification power expander units must be used.

The P110 control unit has a 160 (8x20) character LCD alphanumeric display that provides access to functions, zone indication, history display, device alarm, custom messages, etc. One form C relay provides common alarm functions and (1) form C relay provides common supervisory alarm functions and (1) form C relay provides system trouble indication. The form C relays are each rated 5A @ 30VDC or 10A @ 277VAC (1.0 power factor). The resettable and non-resettable auxiliary power circuits are rated 1.0 amps @ 24VDC total current.

The P110 control unit provides connection to the PDACT digital communicator to provide capability of DACT signaling to Central and Remote Station services.

The addressable devices with applicable UL listings, original equipment manufacturer MEA listings and UL listings are included to ensure cross-referenced compatibility of the submitted panel and the submitted devices to be used with the panel.

Module	Part No.	Description	Local	Central or Remote Station
Enclosure	P110-CAB	Main Enclosure	Y	Y
Transformer	PX3	Transformer	Y	Y
Main Board	PIM	Motherboard	Y	Y
NAC card	P1N2	NAC expansion module	O	O
SLC card	P1SS	Signaling line circuit module	Y	Y
Annunciator	P1A	Annunciator board	Y	Y
Relay module@	P1R	Remote relay module	O	O
Meter module	P!V	Meter module	O	O
Communications module @	P1O	Programming card	O	O
DACT	PDACT	Digital alarm communicator transmitter	O	Note 1
Reverse polarity	UCT	Universal city tie and reverse polarity module	O	Note 1

Y = Yes

O = Optional

Note:

1. Either the PDACT or UCT is required for remote station service.

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections (letter dated January 14, 2008, F.P. Index #0801009).

Terms and Conditions: The above units are accepted on the following conditions:

1. Fire alarm control unit, Model P110, must provide for a fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.

When used with central office communicator or transmitter (PDACT), the installation and operation of the equipment and devices shall comply with 3RCNY §17-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications and trouble indications.
2. The connection of security/burglar devices and equipment to this fire alarm panel is prohibited. A sign must be provided to indicate same.
3. Installation of pre-recorded evacuation messages in the fire alarm control panel would require a prior approval from the Department.
4. The above-referenced fire alarm equipments shall be used only with listed and MEA approved equipments and accessories with which the compatibility has been determined by the Engineer of Record or a UL test report.
5. All enclosures for fire alarm equipment shall be painted red in color.
6. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Building Code, specifically Subchapter 17 and Reference Standards RS 17-3, 17-3A, 17-3B, 17-3C and 17-5. Further, the installation shall be in accordance with the manufacturer's recommendation, NFPA 72 and UL standard.
7. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of the New York City Building Code.

Final Acceptance February 14, 2008
Examined By Donald [Signature]