

FILED	
Department of Business and Professional Regulation	
Deputy Agency Clerk	
CLERK	Brandon Nichols
Date	7/2/2014
File #	

7/1

PETITION FOR DECLARATORY STATEMENT BEFORE THE
FLORIDA BUILDING COMMISSION

COMPANY: FIRE ALARM SYSTEMS AND SECURITY INC.
3901 SW 47TH AVENUE SUITE 408
DAVIE, FLORIDA 33314

PETITIONER; ERIC A. NEILINGER
TITLE; PRESIDENT AND LICENSE HOLDER EF-0000008
TELEPHONE: 954 658 2770
FACSIMILE; 954 327 8674
E-MAIL; eric@firealarmsystems.org

DS 2014-083

STATUTES, AGENCY RULES, AGENCY ORDERS AND OR CODE SECTIONS ON WHICH THE DECLARATORY STATEMENT IS SOUGHT:

2010 Florida building code new building, high rise chapter 9 section ,909.1, 909.12 to include 12.1 through 12.3, 909.16. to include 909.16.1 through 16.3 .

Background;

We are proposing to install a Honeywell UL listed Integrated combination fire alarm system/smoke control system in compliance with NFPA and Florida Building Code 909. The system has all the functions and requirements as stated in 909 for a smoke control panel and is listed for its intended use. The Contractor and their consultant is requiring in addition to the combination smoke control panel an additional separate graphic annunciator that duplicates the combination panel switches and lights. We are looking to the FBC to issue an opinion.

Questions ; minimum code compliance

- 1) Does a UL listed integrated Fire alarm and smoke control system meet the intent of 909.12
- 2) Do we have to separate the one integrated system into two separate control panels
- 3) As a minimum code compliant system does 909 require the Fire Fighter smoke control panel to be a separate graphic display panel.
- 4) To meet minimum code compliance will the installation of a UL listed integrated Fire Alarm and Smoke Control system that meets all the elements of 909.16 meet the intent of 909 for a Fire Fighter smoke control panel.

SUMMARY:

We have provided documents from NFPA and Honeywell supporting our position. Technology has dictated this new approach of integrated automatic controls and the respective new UL listings. There is confusion among design professionals and AHJ's the whether a separate Graphic smoke control panel is required by 909. We have provided all the documentation and have demonstrated compliance with 909 as a listed integrated system.

Respectively submitted
Fire Alarm Systems and Security inc.

By

Eric A. Neilinger 7/1/14
Eric A. Neilinger president /Qualifier EF-0000008



by Honeywell

E3 Series®

Broadband

Description

The E3 Series® Broadband System includes the NetSOLO® Broadband System. Like the NetSOLO® Broadband System, the E3 Series® Broadband is of modular design and allows a wide range of configurations from two basic assemblies. These assemblies form an integrated, distributed fire alarm system that includes audio evacuation and fire command capability. The network communication transmits all fire alarm, audio evacuation, voice paging, and fire fighter communications.

E3 Series Broadband is a revolutionary advance in fire detection and emergency voice evacuation system design. E3 Series Broadband employs proven technology and expands it to accomplish emergency multi-channel voice evacuation, two-way fire fighter communications, and building control applications, all over a single pair of wires or fiber-optic cable.

It is a true peer-to-peer, token ring passing, networked system capable of supporting up to sixty-four (64), individual nodes. All system status, control-by-event sequences, audio voice paging, and fire fighter telephone signals are sent between nodes over a single pair of wires or fiber optic cable.

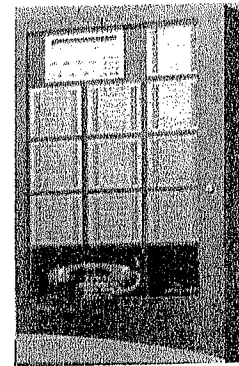
Each E3 Series Broadband node can be spaced along the network a maximum distance of 3,000 feet (914.4 m) over an unshielded, twisted-pair of wires or fiber-optic cable with up to 8dB loss. Built-in isolation at each node permits Style 4, 6, and 7 network configurations.

E3 Series Broadband is simple to configure for any project requirement. A complete E3 Series Broadband application can be assembled from just three types of nodes; the ILI-E3 Series, the INCC Command Center, and the INX Transponder.

The E3 Series Broadband System is capable of the most sophisticated sequences of operations.

E3 Series® and NetSOLO® are registered trademarks of Honeywell International Inc.
UL® is a registered trademark of Underwriters Laboratories Inc.

Intelligent, Networked, Multi-Channel Fire Alarm Control and Emergency Voice Evacuation System



E3 Series Broadband

Features

- Listed under UL® Standard 864, 9th Edition
- UL Listed for smoke control (dedicated and non-dedicated) when properly configured
- FM/UL Listed for Pre-action/Deluge-use
- All communication signals and control-by-event sequences over a single pair of twisted, unshielded wires or fiber-optic cable
- Distributed architecture, including Style 7 wiring configurations, allow system components to continue normal operation with no loss of function during single line fault conditions
- Integrates INX transponders and INCC command centers to create a complete audio evacuation system with up to sixty-four (64) nodes
- Redundant command centers with microphone and fire fighter's handset easily configured by adding INCCs
- State-of-the-art digital signal processor (DSP) technology for efficient audio compression and filtering
- Up to 150 watts of audio power from three (3), AM-50 amplifiers with an additional 50 watts of standby power in each intelligent network transponder (INX) cabinet

An ISO 9000-2000 Company

SIGNALING



LISTED 81869 APPROVED 3025415 Approved 231-06-E 7165-1703:125

City of Chicago Approved Class 1 High Rise
City of Denver Approved

GAMEWELL-FCI

12 Clintonville Road, Northford, CT 06472-1610 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118

Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

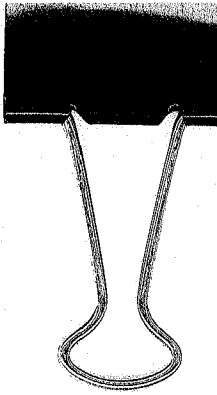
www.gamewell-fci.com

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by Honeywell



E3 Series[®] Broadband Smoke and HVAC Control Station Installation/Operation Manual

Document 9000-0562
10/15/10

Rev:

D

P/N 9000-0562-D

ECN 10-116

Section 2: The Control Panel

2.1 Introduction

The Gamewell-FCI Broadband System, using the E3 Series[®] Listed to UL 864 9th Edition, in conjunction with the INCC, or the E3 Series used with the ILI-MB-E3/ILI95-MB-E3 Intelligent Loop Interface-Main Board and the PM-9 Power Supply, provides the capability to control and display the status of the Air Handling Unit (AHU) fans and dampers.

The INCC, when used for smoke control, will contain an INI-VGC Gateway Module and one or more ASM-16 Switch Modules. In this manual, the term INCC includes both the INI-VGC and ASM-16(s).

The E3 Series[®], when used for smoke control, will contain a PM-9 power supply and ASM-16 Switch sub-assemblies as required. In this manual, the term E3 Series includes both the ILI-MB-E3/ILI95-MB-E3 and ASM-16(s).

Table 2.1.1 lists the abbreviations used in the tables and the figures in this manual for monitor and Control Modules.

The E3 Series or INCC provides the capability to control and monitor up to 128 AHU fans and dampers. Only one (1), INI-VGC can be used for each INCC. A maximum of sixteen (16), ASM-16 Switch sub-assemblies can be used with each ILI-MB-E3/ILI95-MB-E3 or INI-VGC. With the maximum configuration of ASM-16 units, the system has the capability to control and display the status of up to 128 separate AHU fans or dampers.

The E3 Series or INCC is capable of operating as a Firefighter's Smoke Control Station (FSCS). In this mode, the FSCS has the following capabilities:

- Helps maintain a tenable environment in evacuation routes during the time required to evacuate people from the area.
- Helps restrict the movement of smoke from the fire area.
- Helps provide conditions in non-smoke areas that will help fire officials conduct search and rescue operations and to locate and combat fire.
- Assists in protecting life and property

Term	Code Used in Manual	Part Number
Control Module	CM	Control Modules: AOM, AOM2, AOM-2F, AOM-2S, AOM-2SF, MMO-6R, MMO-6RF
Relay Module	RM	AOM-2R, AOM-2RF, MMO-2S, MMO-6SF
Monitor Module	MM	AMM-2, AMM-2F, AMM-4, AMM-4F, AMM-4S, AMM-4SF, MMI-6S, MMI-6SF, MMI-10, MMI-10F

Table 2.1.1 Terms, Codes and Part Numbers

The E3 Series or INCC complies with NFPA 90A, 92A, and 92B standards for smoke control and UL smoke control requirements (Category UUKL) for Dedicated and Non-dedicated Systems.

Create Date: 1/17/2014
Contact: ERIC A NEILINGER

Subject: non dedicated listed FA/smoke control panel

Question for NFPA: we are installing a listed combination FA and FSCS. It has all HOA switches and lights to meet the 92 Standard. Is a separate FSCS required WITH a graphic background with control controls(6.4.3.7.10 or does a FSCS with all the HOA switches and lights labeled for their intended use meet the intent. We can also print a diagram on the wall next to the panel showing locations of fans if required.

ref:_00D5077Vx._50050PxdpE:ref

Eric Neilinger

From: Eric Neilinger
Sent: Monday, January 27, 2014 5:21 PM
To: 'NFPA Life Safety'
Subject: RE: SPAM:NFPA Technical Question Response [ref:_00D5077Vx._50050PxdpE:ref]

In a follow up question. The system that is installed is a Honeywell listed fire alarm smoke control in one combination panel. It holds both the fire alarm and smoke control HOA controls. It is listed under the current UL standard 864 9th addition. It is also listed as a dedicated and non dedicated combination fire/smoke control panel.
Question; Does this arrangement meet the intent of the standard for a non dedicated smoke control system

From: NFPA Life Safety [<mailto:techquesbfpls@nfpa.org>]
Sent: Tuesday, January 21, 2014 11:22 AM
To: Eric Neilinger
Subject: SPAM:NFPA Technical Question Response [ref:_00D5077Vx._50050PxdpE:ref]



TECHNICAL QUESTIONS

Dear ERIC A NEILINGER,

The code does not state that the graphics have to be embedded into the FSCS background. It simply requires the use of diagrams or graphic representations of the system.

If you have a follow-up question directly related to this inquiry, please reply to this email. If you have another question on either a separate topic or different document please return to the document information pages and submit your new question by clicking on the "Technical Questions" tab.

Tracy L. Vecchiarelli, P.E.
Fire Protection Engineer, NFPA

Important Notice: This correspondence is not a Formal Interpretation issued pursuant to NFPA Regulations. Any opinion expressed is the personal opinion of the author and does not necessarily represent the official position of the NFPA or its Technical Committees. In addition, this correspondence is neither intended, nor should it be relied upon, to provide professional consultation or services.

Eric Neilinger

From: Michael Ventola <michael.ventola@1sae.com>
Sent: Wednesday, June 18, 2014 12:32 PM
To: Eric Neilinger; Alan Feldman
Subject: FBC CH9 Smoke Control
Attachments: Chapter 9 - Fire Protection Systems.pdf; ATT00001.htm; image001.jpg; ATT00002.htm

Eric, Check out 909.2 under General Requirements, 909.4.4 for HVAC which is the mechanical guys.

909.16.1 which describes the Fire Alarm responsibility. I could not find the word Graphic anywhere in 909 with my fast scan and search.

Code does not look like it stipulates a Graphic Smoke Control Panel.