


Rev	Description of Change	ECN	Date
A	Released to production	16-218	
B	Added HV model	17-419	
C	Label redraw, revised power specs	151770	7/26/2022

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VENDOR NOTES:

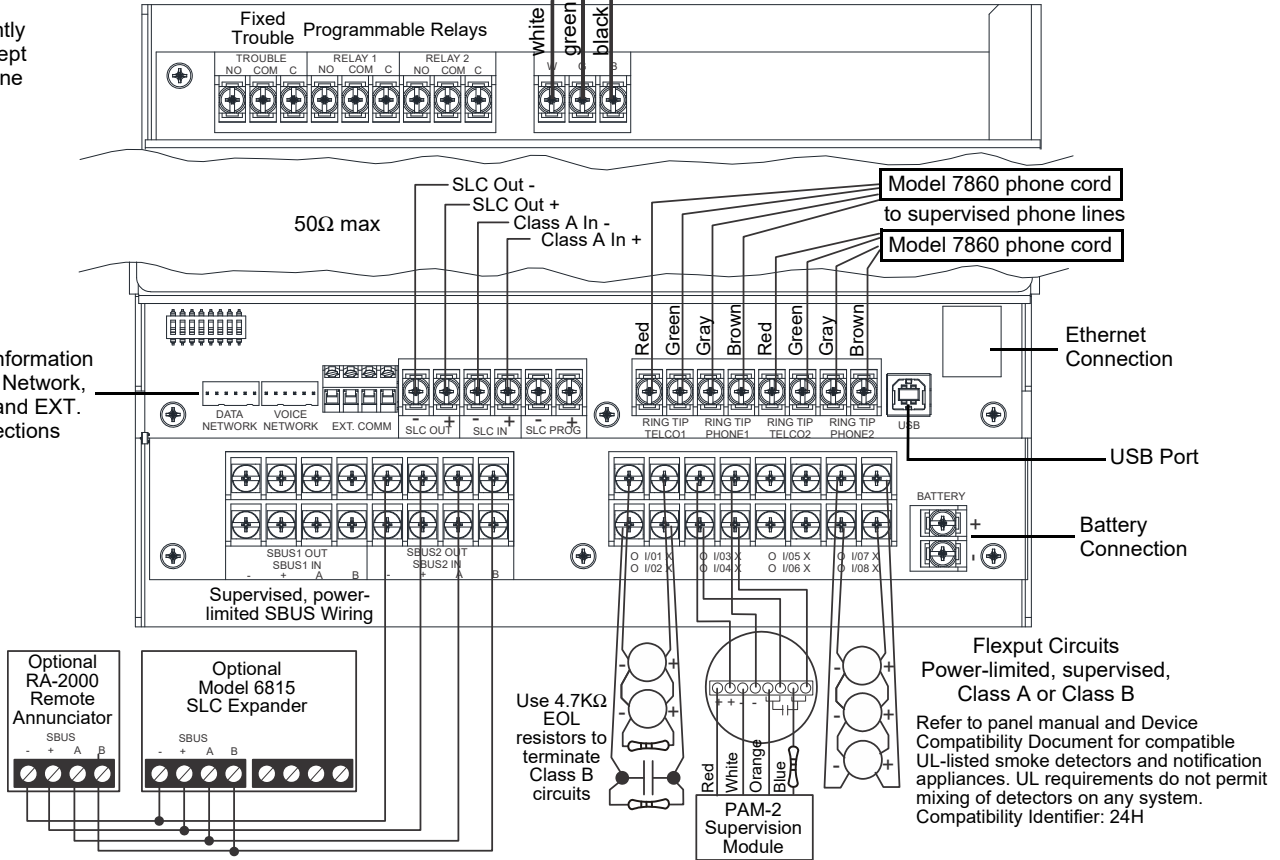
1. Artwork on pages 2-3. Do not print page 1.
2. Print on 8.5 x 11" paper, double-sided.
3. Shall be printed black lettering on white background.
4. Document is folded & placed in pouch on cabinet cover.

Material: white paper, black text	Approvals	Name	Date	 Farenhyt Series 12 Clintonville Road, Northford, CT 06472
	Drawn by	Wendy Chadbourne	7/26/2022	
Technical Publications				
Finish: Background: White, Lettering: Black	Quality Assurance			
Used on: IFP-2100, IFP-2100B, IFP-2100BCB, IFP-2100CB, IFP-2100HV, IFP-2100HVB, RFP-2100, RFP-2100B, RFP-2100BCB, RFP-2100CB, RFP-2100HV, RFP-2100HVB	Marketing			
	Documentation			
	Agency Listing			
	REM			
Filename: 50132216-001:C	Tolerances +/- 0.030"	Unless otherwise specified, ASA standards are followed and all dimensions are in inches.		Title: Wiring Diagram, IFP-2100 Document: 50132216-001 Rev: C Sheet: 1 of 3 Scale: 1:1 Current ECN: 151770

Relay Contacts: 24 VDC @ 2.5A (resistive), Must be connected to power-limited sources. Fixed Common System Trouble Relay and two programmable relays.

AC Power
120/240VAC
50/60Hz

All circuits inherently power-limited except AC input, phone line and battery leads.



See manual for information regarding Voice Network, Data Network, and EXT. COMM connections

⚠ WARNING! HIGH VOLTAGE UNDER PANEL

1) SEVERAL DIFFERENT SOURCES OF POWER CAN BE CONNECTED TO THIS CONTROL UNIT. DISCONNECT ALL SOURCES OF POWER BEFORE SERVICING! NEVER REMOVE OR INSTALL BOARDS, CABLES, MODULES, OR COMPONENTS WITH POWER APPLIED. 2) DAMAGE CAN RESULT FROM INCORRECT WIRING CONNECTIONS. 3) SERVICE ANY TROUBLE CONDITION IMMEDIATELY. 4) IF PANEL IS LISTED FOR CO2 RELEASING APPLICATIONS, OBSERVE PROPER PRECAUTIONS AS STATED IN NFPA 12. DO NOT ENTER THE PROTECTED SPACE UNLESS PHYSICAL LOCKOUT AND OTHER SAFETY PROCEDURES ARE FULLY COMPLETED. DO NOT USE SOFTWARE DISABLE FUNCTIONS IN THE PANEL AS LOCKOUT. 5) THIS UNIT INCLUDES AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTOR SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

⚠ WARNING! RADIO FREQUENCY FROM TRANSMITTING DEVICES MAY IMPAIR INTENDED OPERATION OF THE CONTROL UNIT. MAINTAIN A MINIMUM OF 30 CM BETWEEN TRANSMITTING DEVICES AND CONTROL UNIT.

Circuit (Zone)	Control Unit Delay (sec)	Smoke Detector	
		Model	Delay (sec)

Farenhyt IFP-2100ECS/IFP-2100ECSB/IFP-2100ECSHV/IFP-2100ECSHVB

This product is to be installed in accordance with Installation Manual
P/N LS10143-001SK-E Rev _____
For control panel operation, see P/N LS10150-001SK-E Rev _____

Electrical Specifications

Terminal	Function	Circuit	Voltage
W & B	AC Input (Hot and Neutral)	4.5A	120VAC, 50 Hz
W & B	AC Input (Hot and Neutral)	2.8A	240VAC, 60 Hz
G	Earth Ground	N/A	N/A
O/I 1 - O/I 8	Notification Circuits ¹	3A each or 9A max 100mA for IDC	24 VDC
SBUS A/B	SBUS communication	100 mA	5 VDC
SBUS -/+	SBUS power	1A	24 VDC
Trouble, Relay 1/2	Relay circuits	2.5A	24 VDC
SLC OUT/IN	SLC comm.	150 mA	32 VDC
Battery ²	Charging current	706 mA	24 VDC
Ring Tip Telco	Phone line inputs	N/A	N/A
Ring Tip Phone			
O/I 1 - O/I 8 NAC	Max line loss		3V
O/I 1 - O/I 8 NAC	Sync Output/Circuit Type	panel-wide regulated	
Ground Fault impedance to any circuit			0Ω

¹ Regulated/special application. See manual for details.
² Replace batteries every 5 years.
 For releasing service and battery capacity, refer to the manual.

This control panel is equipped with the JumpStart® auto-programming feature which can greatly reduce system setup time. JumpStart is intended to be used prior to any custom programming. Each time JumpStart is executed, all options will be reset to their default values. Do not run JumpStart after you have configured the system through programming.

Agency Requirements

NFPA
 Install for commercial use in accordance with NFPA 13, NFPA 15, NFPA 16, NFPA 70, NFPA 72 and NFPA 720.

- The IFP-2100ECS is suitable as:
- Local signaling unit
 - Commercial protected premises control unit
 - Remote signaling protected premises unit
 - Auxiliary protective signaling unit
- Also suitable for use as a control unit for:
- Releasing device service
 - Ethernet signaling
- Type SM Control Unit
 The IFP-2100ECS is suitable for the following types of signaling services: automatic, manual, waterflow, sprinkler supervisory, DACT, Reverse polarity, Coded, Non-Coded. System must be fully tested after installation.

FCC Information
 This device has been verified to comply with FCC Rules Part 15, Class A. Operation is subject to the following conditions:

- 1) This device may not cause radio interference;
- 2) This device must accept any interference received, including any that may cause undesired operation.

FCC registration number: US: HS9AL10A2100
 Ringer equivalence: 1.0A

Intended for indoor use in dry locations only.

Use wiring harnesses to connect accessory modules to the panel as shown below.

