


Rev	Description of Change	ECN	Date
A	Released to production	16-218	
B	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.

<b>Material:</b>	<b>Approvals</b>	<b>Name</b>	<b>Date</b>	 Farenhyt Series
	Drawn by	Wendy Chadbourne	7/26/2022	
<b>Finish:</b> Background: White, Lettering: Black	Technical Publications			<b>Title:</b> Wiring Diagram, IFP-300ECS <b>Document:</b> 50132218-001 <b>Rev:</b> B <b>Sheet:</b> 1 of 3
	Quality Assurance			
<b>Used on:</b> IFP-300ECS, IFP-300ECSB, IFP-300BCB, IFP-300CB	Marketing			
	Documentation			
	Agency Listing			
<b>Filename:</b> 50132218-001:B	REM			
	<b>Tolerances</b> +/- 0.030"	Unless otherwise specified, ASA standards are followed and all dimensions are in inches.		

AC Power  
120 VAC  
60Hz

black  
green  
white

Enclosure P/N  
50127159-001 - Red  
50129113-001 - Black

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

DIP Switch

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

Supervised NAC Circuits.  
Solid line shows Class B wiring with 4.7k  $\Omega$  EOL.  
Dotted line shows Class A wiring - no EOL required.

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

Common Trouble Relay

Supervised Class B Wiring

SBUS Device Connections

Battery Connection

SLC Loop Connections (supervised)

supervised phone line connections

USB Port  
Ethernet Connection

12VDC gel cell battery  
12VDC gel cell battery

Model #7860 phone cords

Solid line shows Class B wiring.  
Dotted line shows Class A wiring.

**! 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-300ECS/IFP-300ECSB Fire Alarm Control Panel**  
This product is to be installed in accordance with Installation Manual  
P/N LS10145-001SK-E Rev \_\_\_\_\_  
For control panel operation, see P/N LS10163-001SK-E Rev \_\_\_\_\_

### 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-300ECS is suitable as:

- Local signaling unit
- Central station signaling protected premises unit
- Remote signaling protected premises unit
- Auxiliary protective signaling unit
- Water releasing unit
- Ethernet signaling

Type SM Control Unit

The IFP-300ECS 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.

For ECS signaling: manual activation only.

### Electrical Specifications

Terminal	Function	Circuit	Voltage
W & B	AC Input (Hot and Neutral)	3.25A	120VAC, 60 Hz
G	Earth Ground	N/A	N/A
Notification Circuits <sup>1</sup>	NACs	3A each or 6A total	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 <sup>2</sup>	Charging current	750mA	24 VDC
Ring Tip Telco	Phone line inputs	N/A	N/A
Ring Tip Phone			

Ground Fault impedance to any circuit is 0Ω

<sup>1</sup> Regulated/special application. See manual for details.

<sup>2</sup> 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.

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

