

# FCP-2100 / RFCP-2100 Fire Alarm Control Communicator

The FCP-2100 is an intelligent Fire Alarm Control Communicator. The basic FCP-2100 panel contains one built-in signaling line circuit (SLC), which can support 159 sensors and 159 modules (FIK device protocol). Additional SLC loops can be added using the model FIK-6815 SLC expander to increase the overall point capacity to 2100 per panel.

The FCP-2100 has the interconnection capability for up to 32 panels. The system has two modes of operation: multiple panels covering one larger building or multiple independent buildings. The RFCP-2100 can be used in a networked system where at least one FCP-2100 is in the system. It is the same as the FCP-2100 without the display.

The FCP-2100 has eight onboard Flexput™ circuits that can be configured for auxiliary power, notification outputs, or conventional smoke detector inputs (Class A or Class B). The FACP also has a built-in dual phone line digital alarm communicator/transmitter (DACT), IP or optional cellular technologies, Form C trouble relay, and two programmable Form C relays. The FCP-2100 has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert.



FCP-2100

RFCP-2100

## FEATURES

- FCP-2100 or RFCP-2100 can be used in a networked system where at least one FCP-2100 is in the system
- Network support for up to 32 panels
- Built-in support for up to 159 FIK detectors and 159 FIK modules
- Four line LCD with 40 characters per line
- Network card allows copper or fiber connection option
- Built-in dual phone line, digital alarm communicator/transmitter (DACT), IP or optional cellular
- JumpStart AutoProgramming feature
- Built-in USB interface for convenient and quick programming
- Convenient field-upgradeable firmware
- Supports up to four FIK-W-WGI wireless gateways, each allowing up to 49 wireless devices
- Supports Class B and Class A SLC and SBUS configurations
- Built-in synch for Gentex®, System Sensor®, and Wheelock® appliances

## AGENCY LISTINGS AND APPROVALS

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signaling; Local Protective Signaling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service

- UL Listed
- Factory Mutual Approved
- CSFM

For exact certification listings, please reference the respective agency website.

## SPECIFICATIONS

Physical		
<b>Backbox Dimensions (HxWxD):</b>	24.75" x 14.5" x 3.38" (62.87 cm x 36.83 cm x 8.59 cm)	
<b>Overall Dimensions (HxWxD):</b>	26.38" x 16.19" x 3.94" (67.0 cm x 41.12 cm x 10.44 cm)	
<b>Shipping Weight:</b>	33 lbs. (14.97 kg)	
<b>Color:</b>	Red	
<b>Mounting:</b>	Surface or Flush-mount	
Environmental		
<b>Operating Temperature:</b>	32°F to 120°F (0°C to 49°C)	
<b>Humidity:</b>	0 to 93% relative humidity (non-condensing)	
Electrical		
<b>Primary AC:</b>	<b>FCP-2100</b>	120 VAC @ 50/60 Hz, 4.5A total
	<b>FCP-2100HV</b>	240 VAC @ 50/60 Hz, 2.8A total
<b>Total Accessory Load:</b>	9A @ 24VDC, power-limited	
<b>Standby/Alarm Current:</b>	230mA/415mA	
<b>Battery Charging Capacity</b>	17 to 55AH	
<b>Battery Size:</b>	18AH max. allowed in the control panel cabinet. Larger batteries can be housed in the RBB accessory cabinet.	
<b>Six Conductor Wiring:</b>	Two voice bus and Four SBUS	
<b>Approved Releasing Solenoids:</b>	ASCO T8210A107, 24 VDC, 3A max, 0Hz ASCO 8210G207, 24 VDC, 3A max, 0Hz	
<b>Compatible Devices:</b>	FIK IDP Addressable SLC devices Swift® wireless SLC devices	
Flexput Circuits (eight circuits that can be programmed individually as:)		
<b>Notification or Auxiliary Power Circuits:</b>	3A per circuit @ 24VDC, power-limited	
<b>Initiation Circuit:</b>	100mA per circuit @ 24VDC, power-limited	

## ORDERING INFORMATION

Part Number	Description
<b>FCP-2100</b>	Intelligent Fire Alarm Control Panel, 120V
<b>FCP-2100HV</b>	Intelligent Fire Alarm Control Panel, 220V
<b>RFCP-2100</b>	Intelligent Fire Alarm Control Panel, no Display, 120V
<b>RFCP-2100HV</b>	Intelligent Fire Alarm Control Panel, no Display, 220V
SBUS Accessories	
<b>FIK-RA100; FIK-RA1000R; FIK-RA2000</b>	Remote Annunciators
<b>FIK-6815</b>	Signaling Line Circuit (SLC) Expander
<b>FIK-RPS1000</b>	Remote Power Supply, 120V
<b>FIK-RPS1000HV</b>	Remote Power Supply, 220V
<b>FIK-5496</b>	NAC Expander
<b>FIK-5824</b>	Serial/Parallel Module
<b>FIK-5880</b>	LED I/O Module
<b>FIK-5865-3 or FIK-5865-4</b>	LED Annunciator
<b>FIK-5883</b>	Relay Interface
Miscellaneous Accessories	
<b>HFSS</b>	Software Suite
<b>RBB</b>	Remote Battery Box Cabinet (use for backup batteries up to 35 AH)
<b>SK-SCK</b>	Seismic Compliance Kit
<b>FIK-NIC</b>	Network Interface Card
<b>FIK-FML</b>	Multi-Mode Fiber Card
<b>FIK-FSL</b>	Single Mode Fiber Card