

# FX-PCA Standard Control Panel Assembly with MAP Gateway Catalog Page

## Description

The FX-PCA Controller control panel is a pre-wired, preassembled standard control panel that contains an FX-PCA digital controller and a mobile access portal (MAP) Gateway. The MAP is a pocket-sized webserver that provides a wireless mobile user interface to Smart Equipment and Johnson Controls® branded system controllers. Small, lightweight, and easy to use, the MAP Gateway joins the rapidly expanding list of Johnson Controls products that leverage the power of mobility and smart devices to improve daily operations.

The MAP Gateway is used as a user interface for field bus devices on Johnson Controls system controllers. The MAP acts as an access point for serving web pages through a built-in Wi-Fi access point or tethered Ethernet connection. This lets you view and edit equipment controller configuration parameters, setpoints, schedules, and alarms through a browser. A mobile application is not required to use the MAP Gateway with mobile devices, such as cell phones, tablets, and laptops.

Power for the MAP is supplied through the sensor/actuator bus (SAB), field controller bus (FCB).

See *Accessory* for ordering the power supply.

**Note:** If you want to use the Ethernet port to connect to the MAP, power must be supplied by an optional external supply that does not use the micro USB connection or the SA/FC bus connection.

The MAP Gateway cannot be used on Smoke Control systems.

Refer to the *Mobile Access Portal Gateway Catalog Page (LIT-1900869)* for more information, including technical specifications, on the MAP Gateway.

The control panel is shipped complete, mounted in a steel enclosure. In addition to the controller and MAP Gateway, the assembly contains a power supply to incorporate a 5 A circuit breaker, a 96 VA 120/24 VAC transformer, and two 120 VAC outlets. A five- or ten-point 24 VAC distribution terminal block that allows for termination of additional field mounted devices is also included.

**Note:** The wireless connection on the MAP Gateway allows you to be

## FX-PCA Standard Control Panel Assembly



up to 50 ft (15.24 m) away (within line of sight) even with the panel door closed. Signal strength substantially increases when the panel door is open.

## Features

- consistent layout for all standard control panel solutions simplifies installation and commissioning
- power supply with resettable circuit breaker and transformer provides high- and low-voltage protection
- pre-built, pre-wired, and pretested in an ISO-9002 manufacturing facility that provides products of consistently high quality
- UL 508A-rated control panel and UL 50, Canadian Standards Association (CSA), approved enclosure meets local and national code requirements for the United States and Canada (cULus listed)

## Repair Information

If the FX-PCA/MAP control panel assembly or any of its components fail to operate within their specifications, contact the nearest Johnson Controls representative.

## Selection Charts

Components Included with the FX-PCA/MAP Standard Control Panel Assembly

Quantity	Description
1	Metal Enclosure, 16 in. x 20 in., Type 1 with lock
1	FX-PCA3611-0 digital controller
1	96 VA 120/24 VAC power supply with 5 A primary circuit protection and two 120 VAC outlets
1	Mobile access portal (MAP) Gateway in a stationary mounting cradle
1	5-point 24 VAC distribution terminal block

### Panel Description

Product Code Number	Description
PAYF00M01FC0	FX-PCA3611-0 panel mounted in a 16 in. W x 20 in. H x 6-5/8 in. D Hoffman enclosure, 96 VA power supply, and a stationary MAP Gateway pre-mounted in the panel

### Accessory

Product Code Number	Description
TL-PWRKIT-0A	MAP power supply adapter (for use in North America only).  Note: This item is required only when using the Ethernet connection.

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### FX-PCA/MAP Technical Specifications

FX-PCA/MAP Standard Control Panel Assembly	
<b>Terminals</b>	Controller-mounted screw termination
<b>Wire Size</b>	Ground wire: 14 AWG; Transformer wires: 16 AWG
<b>Enclosure Rating</b>	Type 1
<b>Enclosure Finish</b>	ANSI 61 gray polyester powder coating (perforated panel and enclosure)
<b>Ambient Operating Condition</b>	32 to 122°F (0 to 50°C) 10 to 90% RH
<b>Dimensions (Width x Height x Depth)</b>	16 W x 20 H x 6-5/8 in. D (406 W x 508 H x 168 mm D)
<b>Weight</b>	27.0 lb (12.2 kg)
<b>Ambient Storage Condition</b>	-40 to 176°F (-40 to 80°C) 5 to 95% RH
<b>Agency Compliance</b>	Control Panel: UL 508A Rated (cULus listed); Enclosure UL 50 Rated, CSA Approved Pending OSHPD Special Seismic Certification Preapproval: OSP-0140-10