

## FX-PCA/FX-PCX Standard Control Panel Assembly

### Description

The FX-PCA/FX-PCX Series control panel is a pre-wired, preassembled standard control panel and enclosure that contains the FX-PCA Advanced Application Controller and an optional FX-PCX Expansion Input/Output Module. This predesigned solution saves time and money. In addition, the assembly may be tailored to a variety of common applications for additional savings.

The control panel is shipped complete, mounted in a steel enclosure. In addition to the controllers, the assembly contains a power supply incorporating a 5 A circuit breaker, a 96 VA 120/24 VAC transformer, and two 120 VAC outlets. An optional second 96 VA 120/24 VAC transformer is available. Noted models are provided with an integral display on the face of the controller or a remote mounted display (FX-DIS1710-0), which is visible on the face of the panel. Space is reserved in the panel for the addition of relays or transducers, if desired.

Noted models contain low-voltage terminal blocks that are pre-wired and prelabeled to match every terminal on the controller, making installation, commissioning, and servicing quicker and easier. Panels without an FX-PCA and FX-PCX terminal block assembly are provided with a five- or ten-point 24 VAC distribution terminal block that allows for termination of additional field-mounted devices.

### 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
- space reserved for future component additions allows easy upgrading to a standard-plus control panel
- prebuilt, pre-wired, and pretested in an ISO-9002 manufacturing facility provides products of consistently high quality



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- UL 508A listed control panel and UL 50, Canadian Standards Association (CSA) certified enclosure meets local and national code requirements for the United States and Canada (cULus listed)
- California Office of Statewide Health Planning and Development (OSHPD) Special Seismic Certification Preapproved control panel assembly meets standards for rigid and flexible mounting conditions to account for unit-mounted and remote-mounted application
- controller color-coded and clearly labeled screw terminals provides easily identifiable input/output points at the controller

### Repair Information

If the FX-PCA/FX-PCX control panel assembly fails to operate within its specifications, replace the unit. For a replacement assembly, contact the nearest Johnson Controls® representative.

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

Quantity	Description
1	Metal Enclosure, Type 1, with slotted flush latch
1 or 2	FX-PCA Advanced Field Equipment Controller and FX-PCX Expansion I/O Module. See Selection Chart for exact models.
1	FX-DIS1710-0 remote mount display (if applicable)
1	96 VA 120/24 VAC power supply with 5 A primary circuit protection and two 120 VAC outlets (standard on all panels)
1	96 VA 120/24 VAC transformer with secondary protection (if applicable)
1	FX-PCA terminal block assembly (if applicable)
1	FX-PCX terminal block assembly (if applicable)
1	Five- or ten-point 24 VAC distribution terminal block <sup>1</sup>

1. All panels with a single power supply ship with a five-point terminal block. Panels with an additional transformer ship with a ten-point terminal block.

### Selection Charts

#### Panels – 16 x 20 Inch Enclosure

Product Code Number	Description
PAYE00001FH0	FX-PCA2611-0 panel mounted in a 16 in. W x 20 in. H x 6-5/8 in. D Hoffman® enclosure
PAYE00001FH4	FX-PCA2611-0 panel mounted in a 16 in. W x 20 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display

#### Panels – 20 x 24 Inch Enclosure (Part 1 of 2)

Product Code Number	Description
PAYE00001AH0	FX-PCA2611-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure
PAYE00002AH0	FX-PCA2611-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYE00001AH4	FX-PCA2611-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display
PAYEZA001AH0	FX-PCA2611-0 and FX-PCX1711-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYEZB002AH0	FX-PCA2611-0 and FX-PCX2711-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer

## FX-PCA/FX-PCX Standard Control Panel Assembly (Continued)

### Panels – 20 x 24 Inch Enclosure (Part 2 of 2)

Product Code Number	Description
PAYEZC002AH0	FX-PCA2611-0 and FX-PCX3711-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYEZD002AH0	FX-PCA2611-0 and FX-PCX4711-0 panel mounted in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer

### Panels – 24 x 24 Inch Enclosure

Product Code Number	Description
PAYE00011EH0	FX-PCA2611-0 panel mounted in a 24 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
PAYF00011EH0	FX-PCA3611-0 panel mounted in a 24 in. W x 24 in. H x 6-5/8 in. D NEMA Type 1 Hoffman enclosure with terminal blocks
PAYF00011EA0	FX-PCA3611-0 panel mounted in a 24 in. W x 24 in. H x 6-5/8 in. D NEMA Type 3R Hoffman enclosure with terminal blocks

### Panels – 24 x 36 Inch Enclosure

Product Code Number	Description
PAYE00001BH0	FX-PCA2611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure
PAYE00011BH0	FX-PCA2611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
PAYE00001BH4	FX-PCA2611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display
PAYEZA001BH0	FX-PCA2611-0 and FX-PCX1711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure
PAYEZA011BH0	FX-PCA2611-0 and FX-PCX1711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
PAYEZB002BH0	FX-PCA2611-0 and FX-PCX2711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYEZB012BH0	FX-PCA2611-0 and FX-PCX2711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer and terminal blocks
PAYEZC002BH0	FX-PCA2611-0 and FX-PCX3711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYEZC012BH0	FX-PCA2611-0 and FX-PCX3711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer and terminal blocks
PAYEZD002BH0	FX-PCA2611-0 and FX-PCX4711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
PAYEZD012BH0	FX-PCA2611-0 and FX-PCX4711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer and terminal blocks
PAYEZD002BH4	FX-PCA2611-0 and FX-PCX4711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer and remote mount display
PAYEZE002BH0	FX-PCA2611-0, FX-PCX1711-0 and FX-PCX4711-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with two 96 VA transformers
PAYF00011BH0	FX-PCA3611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D NEMA Type 1 Hoffman enclosure with terminal blocks
PAYF00001BH4	FX-PCA3611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D NEMA Type 1 Hoffman enclosure with remote mount display
PAYF00011BA0	FX-PCA3611-0 panel mounted in a 24 in. W x 36 in. H x 6-5/8 in. D NEMA Type 3R Hoffman enclosure with terminal blocks

## Technical Specifications

FX-PCA Standard Control Panel Assembly	
Terminals	5/32 in. (4 mm) wire slots (if applicable)
Wiring	If applicable, all components are pre-wired to FX-PCA and FX-PCX terminal blocks.
Wire Size	Ground wire: 14 AWG; 24 VAC Controller wires: 18 AWG
Enclosure Rating	UL/NEMA Type 1
Finish	ANSI 61 gray polyester powder coating (perforated panel and enclosure)
Ambient Operating Condition	32 to 122°F (0 to 50°C) 10 to 90% RH
Dimensions (Width x Height x Depth)	Hoffman Standard Enclosure: 24 in. W x 36 in. H x 6-5/8 in. D (610 mm W x 914 mm H x 168 mm D)
Weight	90 lb (40.8 kg)
Ambient Storage Condition	40 to 158°F (-40 to 70°C) 5 to 95% RH
Agency Compliance	Control Panel: cULus, UL508A Enclosure: cULus (UL50) Listed, CSA Certified OSHDP Special Seismic Certification Preapproval: OSP-0140-10 California Building Code (CBC) - 2010, International Building Code (IBC) - 2009 Seismic Performance Characteristics: SDS(g) = 2.26, z/h = 1.0, Ip = 1.5