

FX-PCA/FX-PCX Standard Control Panel Subassembly Catalog Page

Description

The Advanced Application Controller (FX-PCA) and Expansion Input/Output module (FX-PCX) standard control panel subassembly is a pre-wired, preassembled standard subpanel that contains FX-PCA or FX-PCX controllers. 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 subassembly is designed to be mounted in the following common size enclosures: 16 in. x 20 in., 20 in. x 24 in., 24 in. x 24 in., and 24 in. x 36 in. 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 also available. A five- or ten-point 24 VAC distribution terminal block that allows for termination of additional field-mounted devices is also included. 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 along with a section of DIN rail to mount relays and transducers, if desired.

These control panels allow for direct wire termination to the controller, making installation, commissioning, and servicing quicker and easier.

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 and DIN rail 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 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)
- 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 with 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 subassembly fails to operate within its specifications, replace the unit. For a replacement subassembly, contact the nearest Johnson Controls® representative.

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

Quantity	Description
1	FX-PCA2611-0 or FX-PCA3611-0 Advanced Application Controller
1	FX-PCX1711-0, FX-PCX2711-0, FX-PCX3711-0, and/or FX-PCX4711-0 (if applicable)
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	Five- or ten-point 24 VAC distribution terminal block ¹

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

Subassemblies for 16 x 20 Enclosure

Product Code Number	Description ¹
SAYE00001F00	FX-PCA2611-0 control panel subassembly, for mounting in a 16 in. W x 20 in. H x 6-5/8 in. D Hoffman® enclosure
SAYE00001F04	FX-PCA2611-0 control panel subassembly, for mounting in a 16 in. W x 20 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display

1. Fits PAN-ENH1620WD or PAN-ENC1620WD.

Subassemblies for 20 x 24 Enclosure (Part 1 of 2)

Product Code Number	Description ¹
SAYE00001A00	FX-PCA2611-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure
SAYE00002A00	FX-PCA2611-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYE00001A04	FX-PCA2611-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display
SAYEZA001A00	FX-PCA2611-0 and FX-PCX1711-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer

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Subassemblies for 20 x 24 Enclosure (Part 2 of 2)

Product Code Number	Description ¹
SAYEZB002A00	FX-PCA2611-0 and FX-PCX2711-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYEZC002A00	FX-PCA2611-0 and FX-PCX3711-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYEZD002A00	FX-PCA2611-0 and FX-PCX4711-0 control panel subassembly, for mounting in a 20 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer

1. Fits PAN-ENC2024WD and PAN-ENH2024WD.

Subassemblies for 24 x 24 Enclosure

Product Code Number	Description ¹
SAYE00011E00	FX-PCA2611-0 control panel subassembly, for mounting in a 24 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
SAYF00011E00	FX-PCA3611-0 control panel subassembly, for mounting in a 24 in. W x 24 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks

1. Fits PAN-ENC2424WD and PAN-ENH2424WD.

Subassemblies for 24 X 36 Enclosure

Product Code Number	Description ¹
SAYE00001B00	FX-PCA2611-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman® enclosure
SAYE00011B00	FX-PCA2611-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
SAYE00001B04	FX-PCA2611-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display
SAYEZA001B00	FX-PCA2611-0 and FX-PCX1711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure
SAYEZA011B00	FX-PCA2611-0 and FX-PCX1711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
SAYEZB002B00	FX-PCA2611-0 and FX-PCX2711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYEZB012B00	FX-PCA2611-0 and FX-PCX2711-0 control panel subassembly, for mounting 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
SAYEZC002B00	FX-PCA2611-0 and FX-PCX3711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYEZC012B00	FX-PCA2611-0 and FX-PCX3711-0 control panel subassembly, for mounting 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
SAYEZD002B00	FX-PCA2611-0 and FX-PCX4711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with additional 96 VA transformer
SAYEZD012B00	FX-PCA2611-0 and FX-PCX4711-0 control panel subassembly, for mounting 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
SAYEZD002B04	FX-PCA2611-0 and FX-PCX4711-0 control panel subassembly, for mounting 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
SAYEZE002B00	FX-PCA2611-0, FX-PCX1711-0 and FX-PCX4711-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with two 96 VA transformers
SAYF00011B00	FX-PCA3611-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with terminal blocks
SAYF00001B04	FX-PCA3611-0 control panel subassembly, for mounting in a 24 in. W x 36 in. H x 6-5/8 in. D Hoffman enclosure with remote mount display

1. Fits PAN-ENH2436WD and PAN-ENC2436WD.

Technical Specifications

FX-PCA/FX-PCX Standard Control Panel Subassembly	
Terminals	Controller mounted screw termination
Wire Size	Ground wire: 14 AWG; Transformer wires: 16 AWG
Ambient Operating Condition	32 to 122°F (0 to 50°C) 10 to 90% RH
Dimensions (Width x Height x Depth)	16 in. W x 20 in. H x 6-5/8 in. D (406 mm W x 508 mm H x 168 mm D) 24 in. W x 24 in. H x 6-5/8 in. D (610 mm W x 610 mm H x 168 mm D) 20 in. W x 24 in. H x 6-5/8 in. D (508 mm W x 610 mm H x 168 mm D) 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	50.0 lb (22.7 kg)
Ambient Storage Condition	-40 to 176°F (-40 to 80°C) 5 to 95% RH
Agency Compliance	Control Panel: cULus, UL508A Enclosure: cULus (UL50) Listed, CSA Certified OSHPD Special Seismic Certification Preapproval: OSP-0140-10 California Building Code (CBC) - 2010, International Building Code (IBC) - 2009 Seismic Performance Characteristics: $S_{DS}(g) = 2.26$, $z/h = 1.0$, $I_p = 1.5$

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls shall not be liable for damages resulting from misapplication or misuse of its products. © 2017 Johnson Controls. www.johnsoncontrols.com