

Facility Explorer

FXZAN Zone Controller and Actuator Assembly

Description

The FXZAN Zone Controller and Actuator Assembly is an integral part of the Facility Explorer Commercial Zoning Package. This package uses a hierarchal, distributed, application strategy with the FX16 Master Controller acting as the master controller, and up to 15 FXZAN Zone Controller and Actuator Assemblies acting as slave controllers. The FXZAN Zone Controller and Actuator Assemblies modulate zone dampers to vary the amount of conditioned air delivered to individual zones. Each FXZAN Zone Controller and Actuator Assembly provides its zone demand information to the FX16 Master Controller so that the FX16 may intelligently determine the rooftop unit's mode of operation (heating or cooling).

The FXZAN Zone Controller and Actuator Assembly is an integrated assembly consisting of an FX Programmable Field

Controller, M9104 non-spring return actuator, and a field-wiring termination block. The FXZAN Zone Controller and Actuator Assembly has factory-downloaded software enabling the field installer to easily start up and commission the zone control and damper assembly.

Refer to the *FXZAN Zone Controller and Actuator Assembly Product Bulletin (LIT-12011052)* for important product application information.

Features

- controller and actuator in one assembly
- pluggable screw terminals
- controller includes a field startup application
- 4 N-m actuator



FXZAN Zone Controller and Actuator Assembly

Repair Information

If the FXZAN Zone Controller fails to operate within its specifications, replace the unit. For a replacement controller, contact the nearest Johnson Controls® representative.

Selection Chart

Product Code Number	Description
LP-FXZAN13-0	Zone controller and actuator assembly
LP-KIT006-005C	Zone temperature sensor with push button for temporary occupancy and warm/cool adjustment dial; includes wall mounting base and hardware

Technical Specifications

FXZAN Zone Controller and Actuator Assembly	
Product	FXZAN Zone Controller and Actuator Assembly (LP-FXZAN13-0)
Power Requirements	24 VAC ±15% at 50/60 Hz; 7.3 VA at Maximum Power Supply; Class 2
Supply Voltage	24 VAC (±15%)
Power Consumption	7.3 VA
Ambient Operating Conditions	0 to 52°C (32 to 125°F)
Ambient Storage Conditions	-29 to 66°C (-20 to 150°F)
Electrical Terminations	I/O: 1/4-in. spade lugs with pluggable blocks N2: pluggable block
Housing	Galvanized sheet metal, IP20 Actuator: Plenum rated, IP40
Dimensions (H x W x D)	110 x 171.5 x 138.9 mm (4.34 x 6.75 x 5.47 in.)
Actuator Torque	4 N-m (35 lb-in) minimum
Shipping Weight	1.27 kg (2.8 lb)
Electrical Inputs	A11-4: A99 sensors (-40 to 100°C/-40 to 212°F) Non-isolated - spare inputs must be connected to common D11-5: Voltage free contacts, non-isolated
Electrical Outputs	AO: 0 – 10 VDC @ 5 mA max; Non-isolated DO1, 2: 24 VAC Triac 500 mA; Isolated (used to drive the actuator) DO3, 4, 5: SPST relays. 24 VAC @ 500 mA max Isolated from electronics Shared common DO6: SPST relay; 24 VAC @ 500 mA Isolated
Standards Compliance	M9104-AGA-3S: UL Listed, File 27734, CCN XAPX (United States) XAPX7 (Canada) Plastic housing is plenum rated per CSA C22.2 No. 236/UL 1995 Heating and Cooling Equipment. CE Mark, EMC directive 89/336/EEC C-Tick Mark, Australia/NZ Emissions Compliant LP-FXZAN13-022F: CE Directives 73/23/EEC, EN60730; 89/336/EEC, EN50081-1, EN50082-2 UL 873

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, contact a Facility Explorer technical support resource. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2007 Johnson Controls, Inc.