

Job:	
Location:	
Engineer:	
Contractor:	
Contractor PO No.:	
Buyer:	
Architect:	
Notes:	

Model (s)	Qty	Notes	
ZCDC			
DC3C			
TS4B or TS4B2			
	Size	Qty	Notes
R80CJ-			
R80CJ-			
R80CJ-			
Approval			



FEATURES

- Simple installation. Reduces rough in wiring.
- ZCDC monitors the equipment and the upstairs and downstairs temperatures and automatically distributes more heating or cooling to the zone that needs it to keep the upstairs and downstairs comfortable.
- Optional Manual Operation - Homeowner can manually direct more heating or cooling to the upstairs or downstairs zone as desired to improve comfort and save energy.
- Night Comfort Option saves 30% in energy at night by automatically distributing more heating or cooling to the upstairs zone and 30% less to the unoccupied downstairs zone.
- Compatible with Smart, OEM and simple 24VAC thermostats. Operation is independent of the thermostat.

ZCDC 2-Zone, Automatic Comfort Control

Communicating control using plug&play cable supplied with DC3C.

DC3C 2-Zone, Damper Control

Communicating Control. Includes 40-foot plug&play cable. Uses push-in, screwless terminals.

TS4B 2-Wire Temperature Sensor

Uses push-in, screwless terminals.

R80CJ-XX Damper

Modulating, Round, Plug&Play Damper. Unsealed. XX diameter from 6 to 20 inches. Includes 25' Plug&Play cable.

RT80CJ-XX Damper

Modulating, Rectangular, Plug&Play Damper. Unsealed. Available in 8 x 8 thru 16 x 20 in 2 inch increments. Actuator on HH, first dimension side. Includes 25' Plug&Play cable.

Specifications

ZCDC Communicating 2-Zone Comfort Control

HVAC Equipment

Use with GE or HP equipment.

Compatible Thermostat

Compatible with Smart, OEM or simple thermostats with 24VAC outputs.

Airflow Modes

Automatic or Manual Control.

Airflow Adjustment Range

40 to 160% of nominal airflow.

Airflow Adjustment Increment

2% adjustment to airflow.

Airflow Adjustment Interval

Automatically adjusts airflow every 2 minutes during heating and cooling calls.

Wiring

Plug&play cable provided.

Communicating Control

Communicates with DC3C Damper Control Module using RS485.

LCD Display

1 square inch LCD display.

Power

Powered by DC3C.

Installation

Any wall using hardware provided.

Mechanical

3.30 x 3.30 x 1.00 inches.

DC3C Communicating Damper Control Module

Operation

Monitors the equipment and controls modulating dampers controlling the distribution of heating and cooling to the upstairs and downstairs zones.

Modulating Damper Connection

RJ11 connectors for plug&play connection to dampers.

Maximum Number of Dampers

Up to 4 dampers in the upstairs space and 4 dampers in the downstairs space can be daisy chain connected and controlled.

Power

24VAC. Uses equipment 24VAC at R and C terminals.

Mechanical

4 x 4 x 1.25 inches.

TS4B and TS4B2 2-Wire Temp Sensors

Accuracy

1% at 77° F.

Range

0 to 170° F.

Wiring

Wired to DC3C using 2-conductor, 18 or 20 Gage thermostat cable.

Mechanical

2.30 x 2.30 x .80 inches

R80CJ-XX Round Dampers RT80CJ-HHxDD Rect Dampers

Actuator Type

A80MJ. Power modulating. Electronic control of the motor for long life.

Actuator Mounting

Two screws. Keyed shaft for automatic alignment.

Connection

RJ11 Plug&Play cable. 25' Cable included with damper.

Operation Time

Fully opens in approximately 3 seconds.

LED Indicators

Green LED indicates fully open and red LED indicates fully closed.

Electrical Power

24VAC or 24VDC. 2VA when positioning. 1VA when holding.

Damper Type

Unsealed

Damper Material

24 GA galvanized steel.

Blade Material

20 GA galvanized steel.

Temperature, Operating

-20° to 175° F.

Maximum Static Pressure

1.0 inch H₂O.

Multiple Damper Connection

A second RJ11 connector on the damper actuator can be used to daisy chain connect 3 additional dampers.

Available Sizes

6" - 20" Diameter Round Dampers or 8x8 to 16x20 Rectangular Dampers.

Warranty

5-year warranty, limited to the repair or replacement of the product due to defective material or workmanship.



Proudly designed, engineered and assembled in the USA

eControls

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