

# Configurable VAV Box Controllers Catalog Page

## Description

The VAV zone controllers run a pre-engineered HVAC zoning sequence and provide the inputs and outputs required for this application.

The ZEC controller contains multiple features to ensure occupant comfort.

Optional occupancy sensing capability enables the ZEC controller to switch from occupied mode to standby mode based on zone activity. Standby mode maximizes energy savings by using setpoints that are higher and lower than occupied mode setpoints.

The ZEC410 controller also uses plug-and-play technology to detect which network sensor types it is connected to.

Refer to the *Verasys® System Product Bulletin (LIT-12012342)* for important product application information.

Configurable VAV Box Controller



## Repair Parts

If the Configurable VAV Box Controller fails to operate within its specifications, replace the unit. For a replacement unit, contact your local representative.

## Selection Chart

### Configurable VAV Box Controllers

Code Number	Description
LC-ZEC410-1	Configurable VAV box controller, all fan types, stage box heating
LC-ZEC410-2	Configurable VAV box controller, all fan types, incremental box heating
LC-ZEC410-3	Configurable VAV box controller, all fan types, proportional (SCR) box heating

## Technical Specifications

Configurable VAV Box Controllers	
Product Code Number	LC-ZEC410-x Series
Power Supply Requirement	20–30 VAC at 50 to 60 Hz, Class 2 power supply or Safety Extra-Low Voltage (SELV) at 50/60 Hz (20 VAC minimum)
Power Consumption	10 VA not including external load
Ambient Conditions	<b>Ambient Operating Conditions:</b> 0°C to 50°C (32°F to 122°F); 10% to 90% RH condensing <b>Ambient Storage Conditions:</b> -40°C to 85°C (-40°F to 185°F); 10% to 90% RH
Processor	20 MHz Renesas® H8S2398 processor
Memory	1 MB flash nonvolatile memory for operating system, configuration data, and operations data storage and backup 512k Synchronous Random Access Memory (SRAM) for operations data dynamic memory
Mounting	On a flat surface with screws
Dimensions (Height x Width x Depth)	140 mm x 140 mm x 25 mm (5-1/2 x 5-1/2 x 1 in.)
Shipping Weight	0.30 lb (0.14 kg)
Compliance	<b>United States:</b> UL Listed, File E107041, CCN PAZX, UL 916 FCC Compliant to CFR47, Part 15, Subpart B, Class A <b>Canada:</b> UL Listed, File E107041, CCN PAZX7, CAN/CSA C22.2 No. 205, Signal Equipment Industry Canada Compliant, ICES-003