

**ECL-VAVS-O**



**ECL-VAVS**



**ECL-VAV**



**ECL-VVTS**



**ECL-VAV-N**



### General

Controller Status LED	■	■	■	■	■
LONMARK® Device Class: SCC VAV	■	■	■	■	■
Smart Room Control Support <sup>1</sup>			■		

### Inputs

Universal (Software Configurable)	0	2	4	2	4
Built-In Differential Pressure Sensor (0 to 2.0" W.C.)	■	■	■		■
Allure™ EC-Smart-Vue Capability	4	4	4	4	4
Wireless Inputs <sup>2</sup>	18	18	18	18	18
Analog/Digital Converter (Bits)	16	16	16	16	16

### Outputs

15VDC Power Supply			■		■
Universal (Analog)	1	1	2	1	2
Digital (Triac)	2	2	4	2	4
Built-In Actuator with Feedback	■	■	■	■	
Digital/Analog Converter (Bits)	10	10	10	10	10

### Power Input

24 VAC	■	■	■	■	■
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### Programming – Configuration

EC-gfxProgram	■	■	■	■	■
Pre-Loaded Application	■	■	■	■	■

### Communication

Channel: TP/FT-10; 78Kbps	■	■	■	■	■
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**ECL-VAVS-O****ECL-VAVS****ECL-VAV****ECL-VVTS****ECL-VAV-N****Objects**

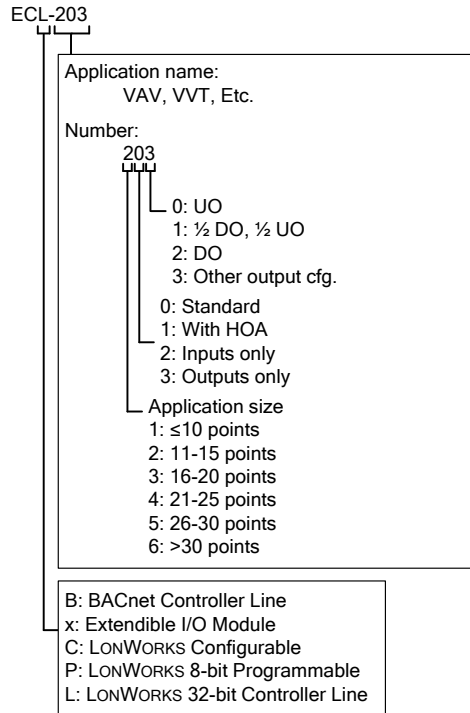
Calendar Objects	1	1	1	1	1
Schedule Objects	2	2	2	2	2
Loop (PID)	8	8	8	8	8
Constants	242	242	242	242	242
- Boolean	124	124	124	124	124
- Enumeration	62	62	62	62	62
- Numeric	56	56	56	56	56
Variable	234	234	234	234	234
- Boolean	124	124	124	124	124
- Enumeration	54	54	54	54	54
- Numeric	56	56	56	56	56
nciSetpoint	■	■	■	■	■
Total Network Variables	163	166	174	165	171
Network Variable Input (General Usage)					
- NVI Changeable Type, Up to 31 Bytes	50	50	50	50	50
Network Variable Output (General Usage)					
- NVO Changeable Type, Up to 31 Bytes	50	50	50	50	50
Hardware Input Network Variable					
- nvoHwInput per Hardware Input		■	■	■	■
Hardware Output Network Variable					
- nviHwOutput per Hardware Output	■	■	■	■	■
- nvoHwOutput per Hardware Output	■	■	■	■	■
Lamp Object			8		
Sunblind Object			8		

**Recommended Applications**

Cooling Only VAV Box	■	■		■	
Cooling with Reheat VAV Box	■	■		■	
Cooling with Reheat VAV Box & Perimeter Heating			■		
Parallel Fan VAV Box			■		
Series Fan VAV Box			■		
Dual Duct VAV Box <sup>3</sup>	■	■			
Large Damper > 35 in-lb (4 Nm) VAV Box					■
Existing Damper Actuator					■
Room Pressurization			■		

1. For supported quantities, see the *VAV Smart Room Control Device Calculator.xlsx* spreadsheet file available for download from SmartSource.
2. Available when an optional Wireless Receiver is connected to the controller. Some wireless sensors may use more than one wireless input from the controller.
3. Two controllers are required or one controller with an external flow sensor and actuator.

## Controller Naming Conventions:



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