



# Actuator Power and Modulating Control *Over PoE*

A New Way to *Power and Manage 24V Actuators.*



# Intelligent Low Voltage Actuator Controller

*iLoVAC-3*



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## *iLoVAC-3*

The *iLoVAC-3* powers and manages any 24VDC modulating damper or valve actuator, through a single Power over Ethernet (PoE) connection. The *iLoVAC-3* also support WIFI (2.4Ghz) and Bluetooth Low Energy (BLE) communications. The *iLoVAC-3* 24VDC Actuator port delivers up to 10 Watts of power.

The *iLoVAC-3* sensors port allows the interconnection of a wide array of I2C and 1-Wire temperature, humidity and differential pressure sensors from different manufacturers such as Melexis, Measurement Specialties (TE), Omron, Sensirion, and others. Multiple motion sensors can also be cascaded off the same *iLoVAC-3* sensors port for occupancy and vacancy detection.

The *iLoVAC-3* typically connects to the ASE Cello Building Automation System (CBAS) for modulating control of 1-pipe and 2-pipe steam, hydronic, and other HVAC heating systems, High Volume Low Speed (HVLS) fans, etc. Future software releases will include support for balanced HEPA filtration. The *iLoVAC-3* is upgradeable Over the Air.

The *iLoVAC-3* supports BACnet IP and Modbus TCP allowing interconnection with any third-party Building Automation System.

Modulating control is achieved through a high-resolution DAC (0-10V, 2-10V, or any voltage within the range) output signal with optional ADC (0-10V) position feedback.

The *iLoVAC-3* connects to any commercial PoE switch or injector which meets the 802.3af and 802.3af standards.

# Take the Next Step

To learn more about ASE's innovative energy control solutions, visit

<https://www.cello.solutions/>