



*intellinox*

Save Energy. Savor Comfort.

**ecoAzur®**

The industry's most efficient  
Demand Control Kitchen Ventilation (DCKV) system



High-performance detection  
can reduce your airflow by up to **70%**

Sustainable ..... Intelligent ..... Connected

#### Benefits

- Save 40–60% on energy costs and GHG emissions
- Enhance kitchen comfort
- Support your organization's ESG initiatives

#### Unique Sensor Technology

- Waterproof and grease-proof optical sensors
- Hood/room temperature differential
- Hood & duct pressure
- Intelligent room transmitters (T, RH, CO<sub>2</sub>, CH<sub>4</sub>)

#### Patented Exhaust Modulating Dampers

- Adapts to building constraints efficiently
- Retrofit-friendly design (no cutting or welding)

#### Connectivity

- Wi-Fi, Ethernet
- Free cloud basic dashboard
- Modbus & BACnet

#### Controls

- Exhaust/supply fans & VAV boxes
- Hood lights
- Cooking appliance shutoff devices
- Hood wash systems

#### Compliance

- IMC, NEC, CEC, NFPA 96
- For new and existing hoods



# ecoAZUR<sup>®</sup> System specifications

System Controller M/N	ECOAZUR Lite V6SC-100	ECOAZUR V6SC-2xx	ECOAZUR V6SC-3xx <sup>1</sup>	ECOAZUR V6SC-4xx <sup>1</sup>
<b>Application</b>	3 short hoods or less, without mod. dampers	Small, medium, large kitchens, with or without modulating dampers and VAV boxes		
<b>Ventilation Equipment</b>	Up to 2 hardwired VFDs/ECMs or 4 Modbus RTU VFDs. A combined total of 4 Exhaust/Supply fans	Up to 8 hardwired VFDs/EMs or 8 Modbus RTU VFDs (compatible profiles only). A combined total of 40 Exhaust/Supply fans, Modulating Dampers and VAV boxes.		
<b>Hood Network Size</b>	Max. 8 intelligent hood devices, no HC, no I/O extension	Max. 100 intelligent hood devices		
<b>I/O Extension</b>	N/A	V6SC-210, -250 (-310, -350, -410, -450) panels include the I/O extension		
<b>Control Method</b>	Temperature differential (Hood-Room), IRIS BLEU <sup>®</sup> Optical Detection, Dishwasher Status			
<b>Communication<sup>2</sup></b>	BACnet/IP: BMS Modbus TCP: BMS (available with version 6.0.11 or later) 3 Modbus RTU comm. bus (2 slaves: BMS, HMI, 1 master: VFD & sensors)			
<b>Connectivity</b>	Ethernet, Wi-Fi, Wi-Fi Access Point			
<b>Cooking Appliance Shutoff Device Integration</b>	Electric gas valve and contactor supported for USA and Canada only (has not been evaluated for European Directive (EU) 2016/426)			
<b>Cloud<sup>3</sup></b>	Cloud Basic package: Lite dashboard, remote configuration (3 years included) Premium package: Energy Dashboard, remote configuration, notifications			
<b>User interface</b>	1 Keypad	Multiple Keypads (max. of one per Hood Controller)		
<b>Time Scheduling</b>	Embedded Real Time Clock, SNTP Server synchronization, daylight saving mode			
<b>Schedules</b>	8 Weekly Schedules			
<b>Zones / Rooms</b>	1 Zone / 1 Room	Up to 4 Zones (air balancing) Up to 16 Rooms (room temp. sensors)		
<b>Enclosure Material</b>	<b>V6SC-100</b> Painted Carbon Steel w/ elect. knockouts	<b>V6SC-2xx</b> Stainless Steel w/ elect. knockouts	<b>V6SC-3xx</b> Painted Carbon Steel	<b>V6SC-4xx</b> Stainless Steel
<b>Enclosure Ratings</b>	UL Type 1, IP30	UL Type 1, IP30	UL Type 4, 1P66 (indoor use only)	UL Type 4X, IP66 (indoor use only)
<b>Electrical Rating Supply #1: Controls</b>	115VAC/230VAC, 50/60Hz. External 15A/13A branch circuit breaker and disconnect device required.			
<b>Electrical Rating Supply #2: Hood Lights</b>	115VAC/230VAC, 50/60Hz. External 15A/13A branch circuit breaker and disconnect device required.			
<b>Enclosure Dimensions H x W x D</b>	406mm (16") x 406mm (16") x 152mm (6")		406mm (16") x 406mm (16") x 172mm (6.8")	
<b>Power Supply Panels</b>	Not supported	Supports up to 2 Power Supply Panels (24 VDC, 4A, up to 10 circuits)		
<b>Agency Listing</b>	cULus, CE, NSF, FCC			

<sup>1</sup> V6SC-3xx and V6SC-4xx are available upon request (nonstock items).

<sup>2</sup> BMS communication is supervisory only.

<sup>3</sup> Cloud Services not available in all countries, Internet connection not included.

## intellinox

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