AIRSYS Lead/Lag Controller (ASLLC.2C | ASLLC.2C.48)

For AIRSYS Wall Packaged Units

Product Overview

- Microprocessor based controller with automatic changeover between lead and lag unit to balance system run time and provide redundant operation for electronic equipment rooms.
- Dynamic free cooling setpoints and fan speed to match the exact heat load throughout the day, thereby maximizing free cooling time and system efficiency.
- Seamless changeover between free cooling, partial free cooling, and mechanical cooling.

Built-in Redundancy

Dual industrial controller board configuration used in all AIRSYS Lead/Lag Controller (ASLLC) maximizes availability of controls. Should communication be lost between the lead and lag unit, the controller boards are able to work independently. In the event of board failure, the backup controller board will be able to take over with all the existing settings.

Feature Highlights

Customizable Operation

More than 200 configurable parameters allow complete flexibility of system operation and alarm reporting. Advanced settings are passcode protected.

Remote Monitor/Control

Dry contact outputs available for major alarms. Default serial card allows for remote monitoring and control of system performance and alarms through RS485 (MODBUS). Optional Ethernet module allows communication through HTML, SNMP and TCP/IP protocols.

System Step Test

Step-by-step testing mode allows anyone to easily and systematically verify all major HVAC functions on both lead and lag units in 5-10 minutes.

Self-Diagnostics and Log Storage

Self-diagnostics with 30+ alarms to clearly indicate component in need of attention. Up to 200 alarm log entries are stored with time stamp for diagnostics and preventive maintenance.

Rugged Construction

Industrial controller with surge protection of up to 3000V. Polymer layered steel frame provides corrosion resistance for large range of operating environment.

AIRSYS
Balance the Environment

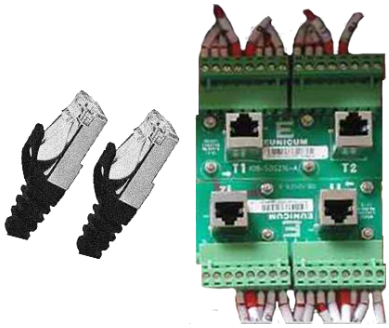
Technical Data

	Compatible with all AC fan WPU (WPU Model: M-OD.xxxx.AC)	Compatible with all WPU
Model Number	ASLLC.2C	ASLLC.2C.48
Power Input	120/230VAC	120/230VAC and/or 48VDC
Certification	UL/CSA/CE	UL/CSA/CE
Max Current	0.5A	0.5A
Height	627 mm / 24.7 in	627mm / 24.7 in
Width	410 mm / 16.1 in	410 mm / 16.1 in
Depth	140 mm / 5.5 in	140 mm / 5.5 in
Weight	12.3 kg / 27 lbs	12.3 kg / 27 lbs

Options

Web Card

This Ethernet module replaces the standard RS485 MODBUS module for remote monitoring and control. This card comes with built-in real-time HTML monitor/control interface with at-a-glance system performance and alarms, SNMP trap/inform, BACNet TCP/IP, MODBUS TCP/IP, automatic data logging, and remote software upgrade.



Custom Cat-5 Wiring Bundle

The optional Cat-5 wiring bundle allows quick and easy field wiring from the lead/lag controller to the outdoor units. Installation cost can be reduced by minimizing field wiring time and wiring errors. Each bundle includes (4) Outdoor-rated Cat-5 cables. Each cable is a different color helping to ensure correct wiring. Bundles available in 20’ or 40’ lengths.

PGD Display

This larger optional 128*32 user interface replaces the standard 3 digit PLD display, allowing easier access for new users and at-a-glance monitoring and diagnostics for experienced users. This display is plug-and-play, and backward compatible with existing ASLLC with modification to mounting only.