

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

For AIRSYS Wall Packaged Units

Product Overview

- Microprocessor based controller with automatic lead/lag changeover balances system run time and provides redundant operation for electronic equipment rooms.
- Dynamic free cooling setpoints and variable speed fan control maximizes system efficiency by allowing the system to adjust to the heat load.
- Seamless changeover between free cooling, partial free cooling, and mechanical cooling.



Built-in Redundancy

The dual controller module configuration used in all AIRSYS Lead/Lag Controllers (ASLLC) maximizes control availability. In the event of communication loss between controllers or module failure, the backup controller will be able to take over with all the existing settings.

Feature Highlights

Customizable Operation

More than 200 configurable parameters allow excellent flexibility with system operation and alarm reporting. Advanced settings are passcode protected to limit unauthorized changes.

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-Diagnostic Alarms and Log Storage

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

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Technical Data

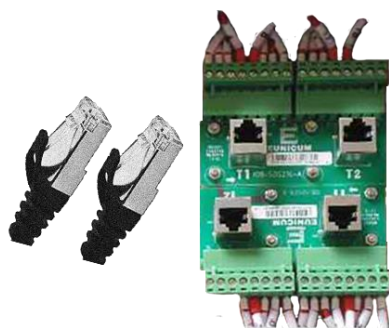
	Compatible with all AC fan WPU's (WPU Model: M-OD.xxxx.AC)	Compatible with all WPU's
Model Number	ASLLC.2A	ASLLC.2A.48
Part Number	2040308880	204031107
Power Input	120/230VAC	120/230VAC and/or 48VDC
Certifications	UL/CSA/CE	UL/CSA/CE
Max Current	0.5A	0.5A
Height	580 mm / 22.8 in	580 mm / 22.8 in
Width	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.