

9LC Red Lighting Controls

Controls for incandescent obstruction lighting fixtures
Compliant to applicable FAA and ICAO standards

Technical Data

Honeywell 9LC series lighting controls combine the finest in digital circuitry with rugged electromechanical hardware to yield the industry's most comprehensive obstruction lighting controls.

Standard models are available for all common FAA and ICAO applications. The 9LCs modular design allows for custom controls for almost any combination of flashing red beacons and sidelights.

All models include a NEMA 4 outdoor housing and a calibrated photocell for automatic day/night switching. A photocell override switch is standard on all systems, facilitating troubleshooting or maintenance. All controls provide comprehensive status indicators and alarm contacts for easy connection to remote monitoring systems.



Features

- Controls for multiple beacons flash all beacons simultaneously per FAA and ICAO specifications
- Lightning protection provided by:
 - Circuit breaker protection to all tower lighting circuits
 - MOV surge suppressors on all inputs, outputs, and photocell lines
 - Torroidal current sensors isolate tower lines from monitoring circuitry
- Load balance resistor capability is available
- Modular design allows customization for nearly any application.
- Dozens of models already developed for control of up to 14 beacons

Alarm Contacts / Control Status

- Individual alarm contacts and control status is provided for:
 - Control power failure
 - Day/night mode status
 - Each flashing red beacon
 - Each level of steady burning obstruction lights
 - Flasher By-Pass alarm/status for each beacon
- Number of lamps being monitored can easily changed by setting dip-switches
- Bi-color red/green LED status indicators provide instant indication of alarm and control status
- Normally open and normally closed alarm contacts are both available
- Primary and auxiliary alarm contacts provided

Models *Partial listing only – Please contact Honeywell for other configurations*

Model #	System Type	Structure Height	Input Voltage	# Beacons	# of Sidelight (OB) Levels	LBR Capability
9LCA001000AA	FAA A-0	0 – 150'	120 VAC, 60 Hz	N/A	1 (1-4 total OBs)	N/A
9LCA111L00AA	FAA A-1	151' – 350'	120 VAC, 60 Hz	1	1 (1-4 total OBs)	Yes
9LCA233L00AA	FAA A-2/3	351' – 700'	120 VAC, 60 Hz	3	2 (1-8 total OBs)	Yes
9LCIA06000AA	ICAO	0 – 45 M	240 VAC, 50/60 Hz	N/A	1 (1-4 total OBs)	N/A
9LCIB16L00AA	ICAO	45 – 105 M	240 VAC, 50/60 Hz	1	1 (1-4 total OBs)	Yes
9LCA236L00AA	ICAO	105 – 210 M	240 VAC, 50/60 Hz	3	2 (1-8 total OBs)	Yes

Environmental Specifications

Temperature: -55°C to +55°C (-67°F to 130°F)
 Humidity: 95% Relative Humidity
 Will withstand: Wind-blown rain from any direction.
 Exposure to salt-laden atmosphere.
 Windspeeds of 240 kph (150 mph).

Honeywell Obstruction Lighting

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