

9LC Control System

Compliant to: FAA AC 150/5345-43F,
ICAO Annex 14, CAR 621.19

Use:

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.



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Features:

- Controls for multiple beacons flash all beacons simultaneously per FAA and ICAO specifications
- Lightning protection provided by:
 - ó Circuit breaker protection to all tower lighting circuits.
 - ó MOV surge suppressors on all inputs, outputs, and photocell lines
 - ó 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
- Standard with NEMA 4 enclosures (NEMA 4X optional upgrade)

Alarm Contacts / Control Status

- Individual alarm contacts and control status is provided for:
 - ó Control power failure
 - ó Day/night mode status
 - ó Each flashing red beacon
 - ó Each level of steady burning obstruction lights
 - ó Flasher by-pass alarm/status for each beacon
- Number of lamps being monitored can easily be 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



HUGHEY & PHILLIPS

Models – Partial listing only ó Please contact Hughey & Phillips for more configurations

9LC Model # (<i>new p/n</i>)	System	Lighting Type	Structure Height	Input Voltage (50/60Hz)	Beacon	Strobe	Sidelight Levels	LBR
9LCA001000AA (SVL0342)	FAA A-0	INC	0' - 150'	120V	0		1	No
9LCA001003AA (SVL0343)	FAA A-0	INC	0' - 150'	120V	0		3	No
9LCA001004AA (SVL0344)	FAA A-0	INC	0' - 150'	120V	0		4	No
9LCA101008AA	FAA A-0	INC	0' - 150'	120V	0		8	No
9LCA111L00AA	FAA A-1	INC	151' - 350'	120V	1		1	Yes
9LCA146000AA (SVL0352)	FAA A-1	INC	151' - 350'	230V	4		0	No
9LCA233L00AA	FAA A-2	INC	351' - 700'	120V	3		2	Yes
9LCA246L00AA (SVL0356)	FAA A-2	INC	351-700'	230V	4		2	Yes
9LCA354L10AA	FAA A-3	INC	701' - 1050'	120V	5		3	Yes
9LCA462LP00AA (SVL0359)	FAA A-4	INC	701' - 1050'	230V	6		4	Yes
9LCA474L10AA	FAA A-4	INC	1051' - 1400'	120V	7		4	Yes
9LCD111000AA	FAA D-1	STR	200' -350'	120V		1		No
9LCD231000AA	FAA D-2	STR	351' - 500'	120V		3		No
9LCIA06000AA (SVL0365)	ICAO A-0	INC	0' - 150'	230V			1	No
9LCIB16L00AA	ICAO A-1	INC	151' - 350'	230V	1		1	Yes
9LCIB26L00AA	ICAO A-2	INC	350' - 700'	230V	2		1	Yes
9LCIC16L00AA	ICAO A-1	INC	151' - 350'	230V	1		2	Yes
9LCID16L00AA	ICAO A-1	INC	151' - 350'	230V	1		3	Yes
9LCR001000AA (SVL0367)	FAA A-0	LED	0' - 150'	120V			1	No
9LCR0010R0AA (SVL0370)	FAA A-0	LED	0' - 150'	120V			1	No
9LCR0010R2AA (SVL0370)	FAA A-0	LED	0' - 150'	120V			2	No
9LCR0010R4AA (SVL0371)	FAA A-0	LED	0' - 150'	120V			4	No

INC = Incandescent STR = Strobe