

INSTALLATION INSTRUCTIONS-ULC APPROVED

MODEL AST-4-K EXPLOSION-PROOF STROBE WARNING LIGHT

APPLIED STROBE TECHNOLOGY CO. LTD.

8345 Stanley Avenue, Niagara Falls, On L2G 0C8 905-374-3077 FAX 905-374-6114

E-mail: support@appliedstrobe.com

Ast-4 -K Ver. No.1

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1. INTRODUCTION

The Model Ast-4-K is An Explosion-Proof Strobe Warning Light which is CSA certified for both Canada and the United States for Class I Div.1 Environments and is Encl. 4X rated. The Ast-4-K is also ULC listed for Visual Signal Appliances, Fire Alarm for Use in Hazardous Locations. The unit is available with a 15-30VDC input voltage range and has an rms operating current of .4-.8 A with an inrush current of 1.3A peak. The Ast-4-K ULC approved strobe is only available with a clear lens.

The operating temperature is -50 C to + 85 C with a candela rating of 10 cd.

2. INSTALLATION

MOUNTING

The Ast-4-K strobe can be mounted to a ¾” conduit(Pendant Mount), wall mount, or can be ceiling mounted and must be installed with the globe pointing down. For Pendant Mount, prior to mounting the strobe , ensure that the threads on both the conduit and the pendant mount bracket are clean. Thread the pendant mount onto the conduit until tight and secure with the locking set screw. Next thread the strobe fixture onto the mount until tight and secure the locking set screw.

Note: Please refer to Ast-4-K catalogue sheet for information on other types of mounting brackets.

ELECTRICAL CONNECTIONS

The Ast-4-K ULC approved strobe contains four leads for electrical supervision , two red and two black. Connect one red(+) lead to the positive side of the incoming power supply and the other red(+) lead to the outgoing power source. Connect one black (-) lead to the negative side of the incoming power supply and the other black(-) lead to the negative side of the outgoing power source. There is a grounding screw in the base of the fixture for connection to an earth ground if needed.

Caution: This is a four wire device, all of the wires must be terminated. Failure to do so can result in damage to the device or a potential for a fire hazard or a shock.

Caution: FACTORY FINISH-DO NOT CHANGE.

Note: Installation of the strobe in Canada shall be in accordance with:

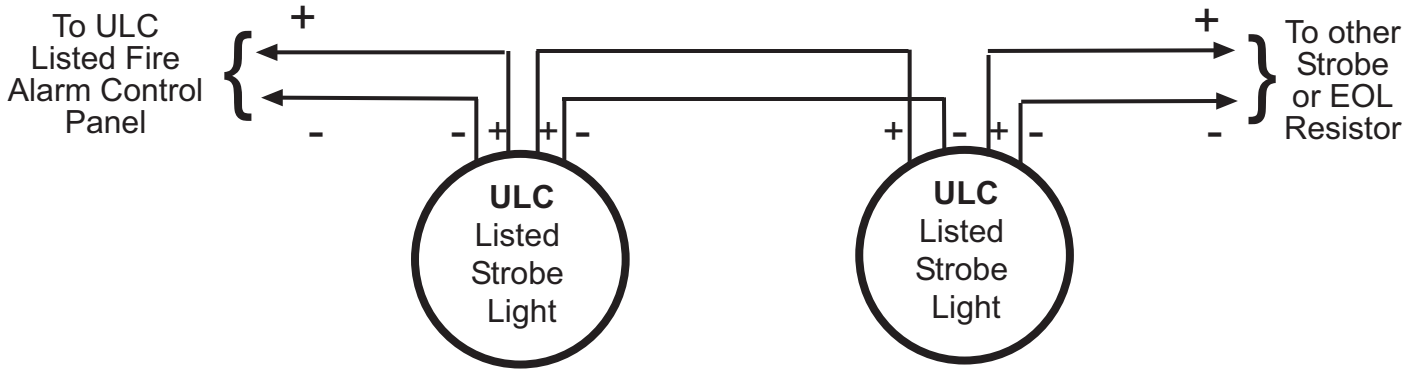
- i) CSA C22.1, Canadian Electrical Code, Part 1
- ii) CAN/ULC-S524, standard for Installation of Fire Alarm Systems
- iii) Local Authority Having Jurisdiction

AST-4-K- Typical Light Output per CAN/ULC-S526-07

Degrees*	Per Cent Candela Rating	Expected Candela Reading	Actual Candela Reading WITHOUT GUARD	Actual Candela Reading WITH GUARD
0	100	10	137.0	130.0
5	90	9	72.4	73.1
10	90	9	17.4	15.8
15	90	9	14.4	12.2
20	90	9	17.4	14.5
25	90	9	20.7	18.1
30	75	7.5	20.0	18.4
35	75	7.5	16.1	13.8
40	75	7.5	15.4	13.5
45	75	7.5	16.1	14.4
50	55	5.5	20.1	18.5
55	45	4.5	23.7	24.9
60	40	4.0	27.5	28.4
65	35	3.5	33.5	34.8
70	35	3.5	40.4	40.8
75	30	3.0	42.6	43.4
80	30	3.0	45.3	44.8
85	25	2.5	49.0	48.2
90	25	2.5	67.5	63.6

Note: 15 Degrees is the critical angle.

Strobe Wiring Diagram



NOTES

1. Leads 16 AWG , minimum 152 mm long
2. For electrical supervision use in and out leads as shown