

INSTALLATION INSTRUCTIONS-ULC APPROVED

MODEL AST-14 HAZARDOUS LOCATION STROBE WARNING LIGHT

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1. INTRODUCTION

The Model Ast-14 is a Pendant Mount hazardous Area Strobe Warning Light which is CSA certified for both Canada and the United States for Class I Div.2 Environments and is also Type 3 and or 4x approved.. The Ast-14 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-14 ULC approved strobe is only available with a clear lens. The operating temperature is -55 C to + 85 C with a candela rating of 3 cd.

2. INSTALLATION

MOUNTING

The Ast-14 strobe is designed for mounting to ¾” conduit and may be mounted in any position. Prior to mounting the strobe , ensure that the threads on both the pipe and strobe fixture are clean. Thread the strobe onto the ¾” conduit and tighten the ¼”-20 set screw to secure it to the pipe.

ELECTRICAL CONNECTIONS

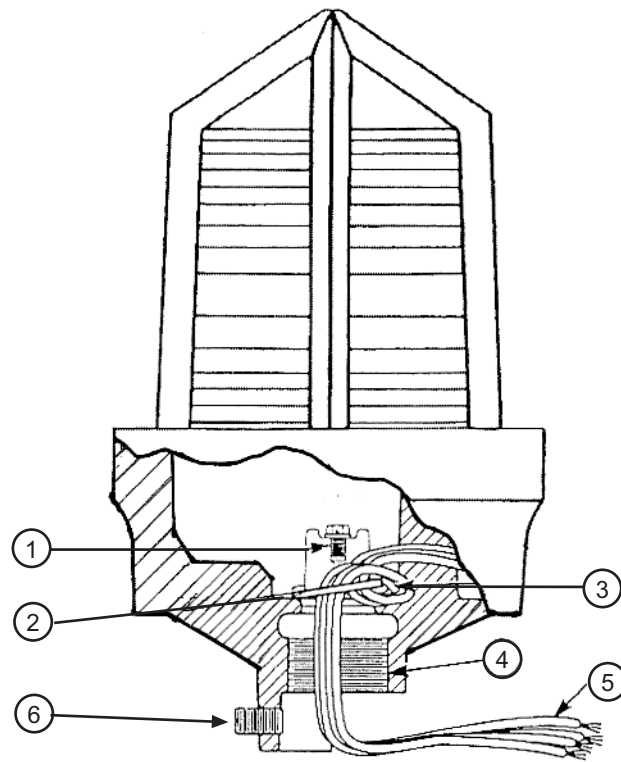
The Ast-14 ULC approved strobe contains four leads for electrical supervision , two red and two black. Connect one red(+) lead to the positive side of the incoming power supply and the other red(+) lead to the outgoing power source. Connect one black (-) lead to the negative side of the incoming power 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

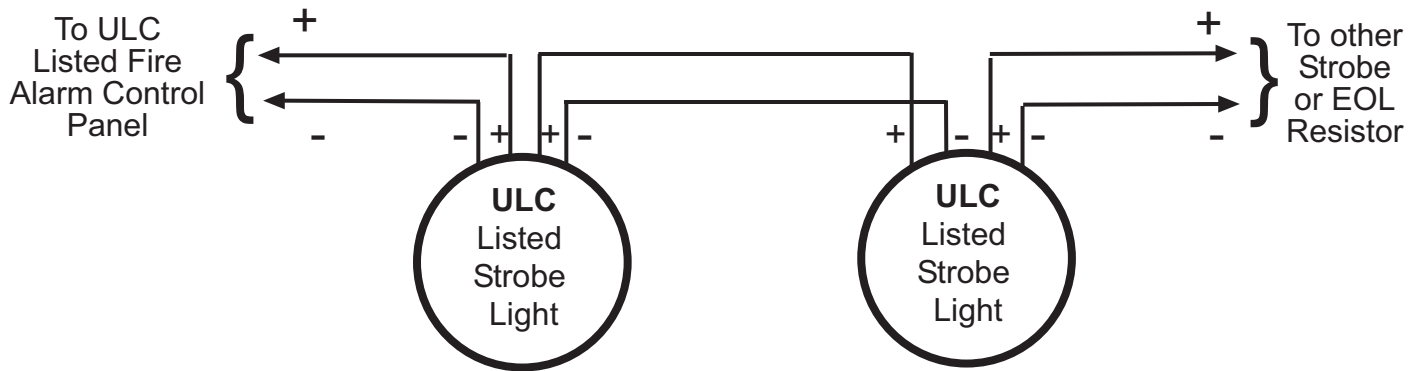


- 1 Ground screw
- 2 Strain relief disk
- 3 Wrap wires once around strain relief
- 4 3/4 14 N.P.T
- 5 Power wires: 2 Black (-) and 2 Red (+)
- 6 1/4 - 20 Set screw

AST-14 Typical Light Output per CAN/ULC-S526

<i>Vertical Dispersion, Ceilings to Walls and Floor</i>							
<i>X-Plane Dispersion</i>				<i>Y-Plane Dispersion</i>			
X-Plane Angle (\pm°)	% of Rated Candela	Actual Candela Readings (cd)		Y-Plane Angle (\pm°)	% of Rated Candela	Actual Candela Readings (cd)	
		Expected	Typical			Expected	Typical
0	100	3	7	0	100	3	6
5	90	1.8	11	5	90	1.8	5
10	90	1.8	27	10	90	1.8	24
15	90	1.8	40	15	90	1.8	35
20	90	1.8	48	20	90	1.8	37
25	90	1.8	45	25	90	1.8	39
30	75	1.5	33	30	75	1.5	37
35	75	1.5	24	35	75	1.5	22
40	75	1.5	14	40	75	1.5	10
45	75	1.5	8	45	75	1.5	8
50	55	1.1	8	50	55	1.1	7
55	45	0.9	9	55	45	0.9	7
60	40	0.8	10	60	40	0.8	9
65	35	0.7	12	65	35	0.7	11
70	35	0.7	20	70	35	0.7	13
75	30	0.6	50	75	30	0.6	33
80	30	0.6	79	80	30	0.6	76
85	25	0.5	91	85	25	0.5	96
90	25	0.5	99	90	25	0.5	104

Strobe Wiring Diagram



NOTES

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