

LCD-1 and LCD-2 Snow Switches®

<u>Part Number</u>	<u>Description</u>
15898	LCD-1 Snow Switch (UL Listed) 120 VAC
16119	LCD-1 Snow Switch (CSA Listed) 120 VAC
15914	LCD-2 Snow Switch (UL Listed) 120 VAC
16120	LCD-2 Snow Switch (CSA Listed) 120 VAC

Mount sensor securely in upright position in clear (open) area typical of area to be melted, either above roof line or removed from building as to not be protected from the falling snow

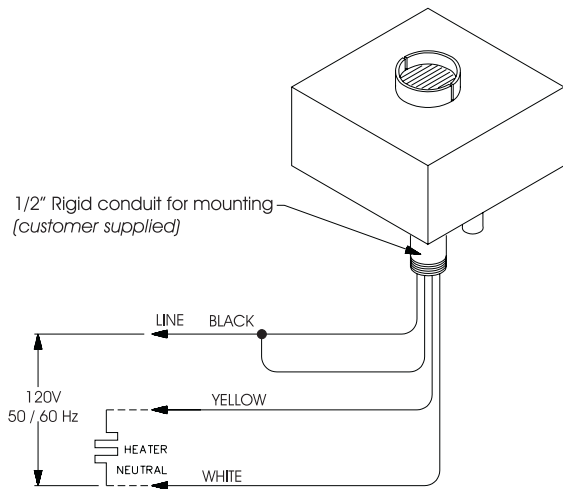
AVOID overhead trees, shrubs, wires, eaves, etc., and following or blowing debris.

AVOID vehicle and foot traffic. Do not create a safety hazard.

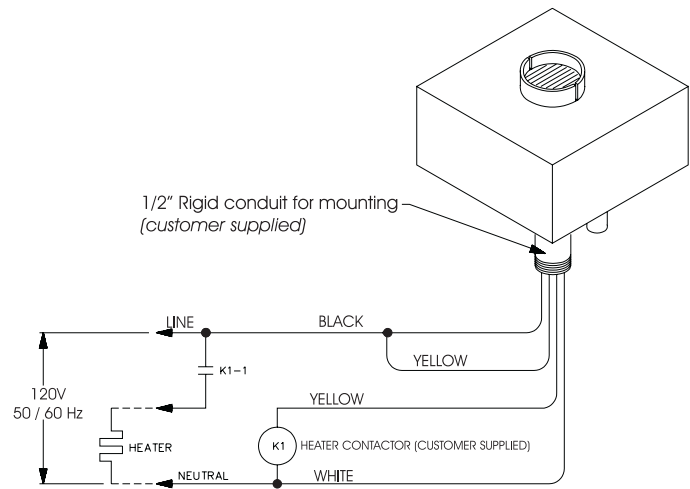
AVOID exposure to artificial heat sources and excessive shock and vibration.

Install per all applicable electrical and building codes and regulations.

INSTALL IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE ELECTRICAL AND BUILDING CODES AND REGULATIONS. ENSURE THAT ALL CONDUIT/CABLE TERMINATIONS ARE WATERTIGHT.



120 Volt ac, load to 16 amps



120 Volt ac, load greater than 16 amps

Post-installation Snow Switch® test

Most problems result from installation errors. Before testing, verify that unit is properly installed.

1. Connect power to snow melting system. Wait fifteen seconds, system should not actuate.
2. Using ice water or other cooling agent (LCD-2 will not switch below 17°F, cool ambient air temperature sensor below 38°F(3.3°C), system should not actuate. Apply moisture to moisture sensing grid, system should actuate in less than 15 seconds.
3. Dry moisture sensing grid. Disconnect power to snow melting system. Wait one minute, then reconnect power. If system actuates ensure sensing grid is dry and ambient air temperature is above 38°F(3.3°C), then repeat this step.

	LCD-1	LCD-2
Operating temperature		
Range (Min/Max)	-40/140°F (-40/60°C)	-40/140°F (-40/60°C)
Setting	38°F (3.3°C)	38°F (3.3°C)
Tolerance (+/-)	1.5°F (-17°C)	1.5°F (-17°C)
Lockout temperature		
Setting	—	17°F (-8.3°C)
Tolerance (+/-)	—	2°F (16.6°C)
Hold-On Timer		
Nominal timer	5 Hr.	5 Hr.
Tolerance (+/-)	1%	1%
Output Relay		
Rated Voltage (volts a-c 50/60 Hz)	120 Volts	120 Volts
Maximum Load	16 Amps	16 Amps
Supply		
Rated Voltage (volts a-c 50/60 Hz)	120 Volts	120 volts
Tolerance (+/-)	10%	10%
Maximum Power	5 Watts	5 Watts

Questions and Comments

For technical help, questions or comments concerning this product or any of Environmental Technology, Inc. products contact Customer Service between 8:00 a.m. and 5:00 p.m. EST (UTC minus five hours).

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