



### BENEFITS

- Low Cost
- One Hour Hold-on Timer

### FEATURES

- Automatic deicing / rain blower control
- Low temperature lockout at 17° F
- Microprocessor control
- Combined moisture and temperature sensors
- “Smart bypass” switch for system testing
- U-L Listed / CSA Certified
- FCC Part B Compliance
- Housing material is U-V stabilized

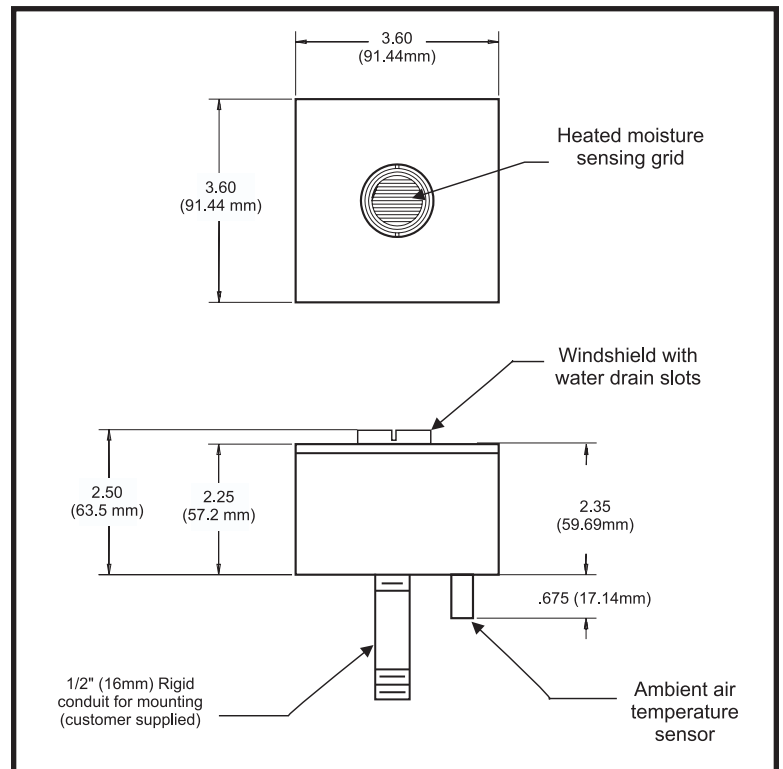
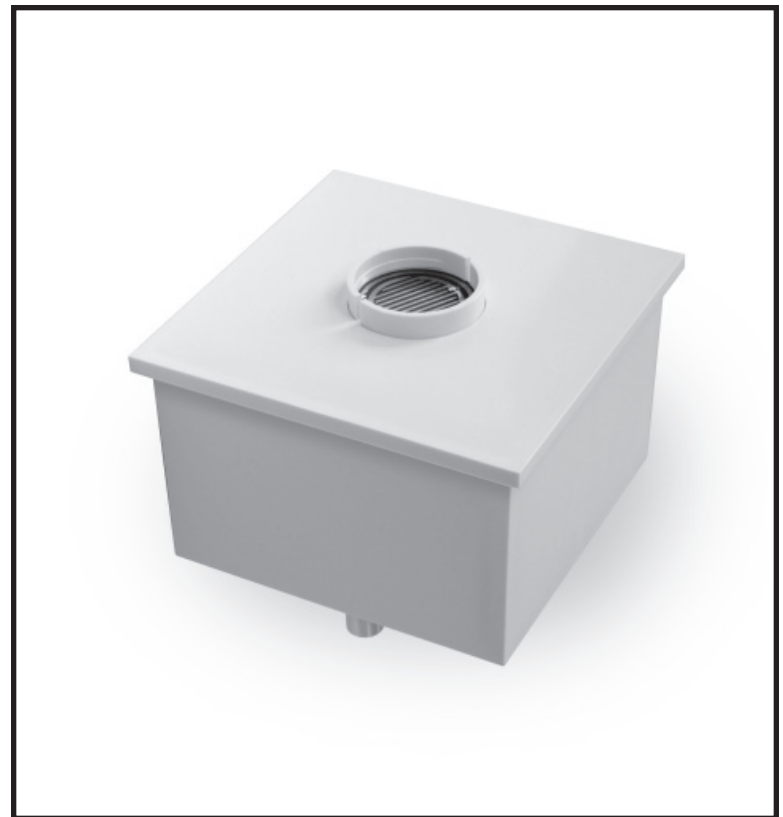
### DESCRIPTION

These low cost controls offer a cost effective alternative to thermostatic or manual control. Automatic control provides reliable earth station service while minimizing operating and maintenance costs.

The LCD-3 automatically controls small aperture antenna deicing heaters and the LCD-4 controls rain blowers. Deicing heaters operate between 17°F (-8.3°C) and 38°F (3.3°C) during precipitation and for one hour thereafter. The rain blower operates at temperatures above 17°F during precipitation and for one hour thereafter.

The on-board microprocessor combined with quality components and extensive quality control provide excellent reliability. Sunlight does not reduce the strength of the U-V stabilized housing. Combining the temperature and moisture sensors simplifies installation and eliminates siting errors.

The “smart bypass” switch permits on site testing. The control changes back to automatic operation after 40 hours if operating personnel leave the switch in the wrong position by accident.



## SPECIFICATIONS

Environmental	LCD-3	LCD-4
Operating temperature range (Min/Max)	-40/140°F (-40/60°C)	-40/140°F (-40/60°C)
Operating temperature electronic thermostat		
Setting	38°F (3.3°C)	—
Tolerance (+/-)	1.5°F (-17°C)	—
Lockout temperature electronic thermostat		
Setting	17°F (-8.3°C)	17°F (-8.3°C)
Tolerance (+/-)	2°F (16.6°C)	2°F (16.6°C)
Hold-On Timer		
Nominal timer	1 Hr.	1Hr.
Tolerance (+/-)	1%	1%
Output Relay		
Rated Voltage (volts a-c 50/60 Hz)	120/240 Volts	120/240 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

### Options

Single pole contactor rated for 120/240 volts 30 amp service.

## ORDERING INFORMATION

<u>Order Number</u>	<u>Description</u>	
15903	LCD-3 Automatic Deicing Control	(U-L Listed) 120 VAC
16121	LCD-3 Automatic Deicing Control	(CSA Certified) 120 VAC
19040	LCD-3 Automatic Deicing Control	(U-L Listed) 240 VAC
15910	LCD-4 Automatic Rain Blower	(U-L Listed) 120 VAC
16122	LCD-4 Automatic Rain Blower	(CSA Certified) 120 VAC
14456	Single Pole Contactor	

## LIMITED WARRANTY

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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