



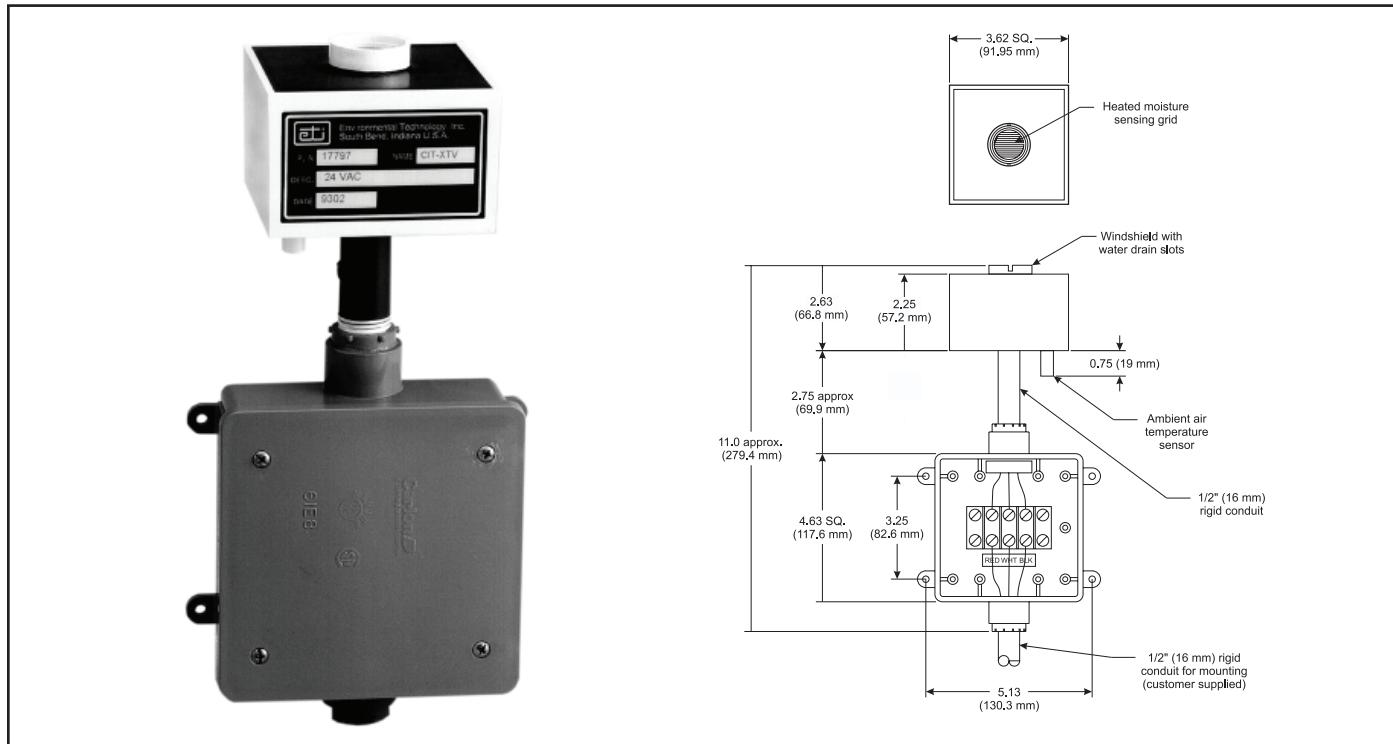
We Manage Heat®

Broadcast Transmitting Antenna Ice Detectors MODEL CIT®-XTV

DATA SHEET

FEATURES & BENEFITS

- Energy efficient for low operating costs
- Reliable antenna operation during icing conditions
- Heating starts before ice accumulates
- Adjustable heater hold-on timer completes ice melting after precipitation stops
- Lightning and EMI resistant
- Low Cost
- C-UL-US
- Simple installation
- Single or 3-phase power control



DESCRIPTION

An Antenna ice melting control employs the CIT-XTV ice sensor located adjacent to the transmitting antenna. Normally located in the transmitter shelter building and within 2,000 feet (609.6m) of the sensor, the APS-3C or APS-4C Control Panel interfaces the sensor with the heater contactor. The sensor and control panel employ special filters and circuit design techniques to minimize susceptibility to EMI and lightning damage.

When using the CIT-XTV Sensor, heaters operate at temperatures below 38°F (3.3°C) during precipitation and

for the hold-on timer interval from 0-10 hours. The CIT-XTV Sensor prevents heater operation at temperatures below 0°F (-17.8°C) to save electrical energy and to prevent partial ice melting. Heaters operate for the hold-on time as the temperature increases above 0°F (-17.8°C) if precipitation occurred during lock-out.

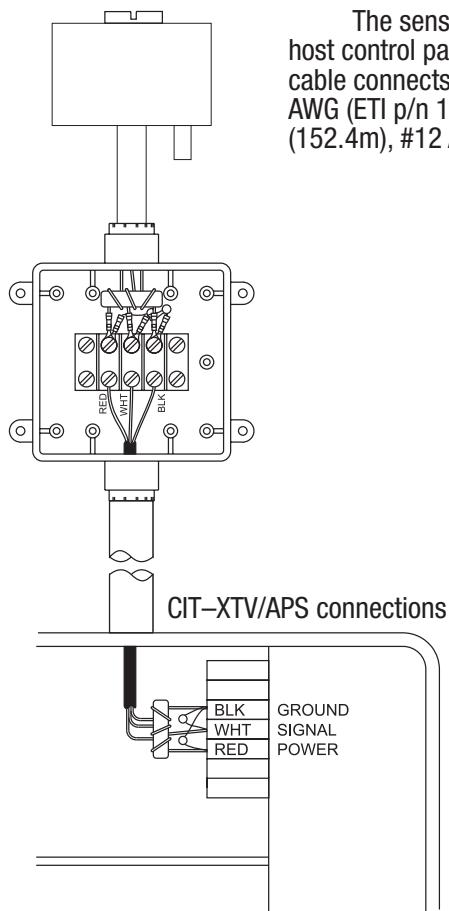
The APS-3C and APS-4C Control Panels interface the sensor with the power control contactor. In addition to supplying 24 volts for the sensor operation, it provides status indicators, and adjustable heater hold-on timer and

by pass switch.

The APS-3C is available in 120VAC single phase and turns 24 amps. The APS-4C is available in 208-240VAC single phase turning 40 amps. The APS-4C is also available in 208VAC, 277VAC and 480VAC three phase turning 28 amps per load.

For complete information describing its application, installation and features, please contact Customer Service or check on the web at www.networketi.com.

SPECIFICATIONS



The sensor operates on 24 VAC supplied from the host control panel. User supplied 3 conductor jacketed cable connects the sensor to the control panel. Use #18 AWG (ETI p/n 11647 or equivalent) for lengths up to 500' (152.4m), #12 AWG for lengths up to 2,000' (609.6m).

ORDERING INFORMATION

Order Number	Description
17797	CIT-XTV sensor
22470	APS-3C Control Panel, 120 VAC
22471	APS-3C Control Panel, 208-240 VAC
22472	APS-4C Control Panel, 208-240 VAC 50/60 Hz Three Phase
22473	APS-4C Control Panel, 277 VAC 50/60 Hz Single Phase
22475	APS-4C Control Panel, 277/480 VAC 50/60 Hz Three Phase
22476	APS-4C Control Panel, 600 VAC 50/60 Hz Three Phase
21357	RCU-3 Remote Control (Qty 1 included with APS-3C Control Panels)
21358	RCU-4 Remote Control (Qty 1 included with APS-4C Control Panels)

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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