

# ULTRA-ZONE™

## SUBMITTAL SHEET

Model IZT-250

Internet Enabled Zone Thermostat

### Product Highlights

- Web Server Technology
- Web Browser Configuration
- E-mail Status and Fault Reporting
- Secure Internet Monitoring and Control
- Reliable TCP/IP Communications
- FCC, UL & ENERGY STAR Rated
- No Software to Load



**Internet Zone Thermostats** The IZT-250 Internet Zone Thermostats combine all the same sophisticated HVAC and Internet features of the IZT-100 Network Thermostat but also includes the added capability of independent alarming on two external sensor inputs. These two inputs can either sense temperature with our standard line of thermistor sensors (Models SAS, OAS & RAS), or sense the closure of an external relay. With these additional features the IZT-250 Thermostat is best suited for High End Residential applications and Light Commercial Facilities that may require inexpensive remote HVAC management along with Auxiliary Remote Zone monitoring. Internet connectivity and the thermostat's browser interface offer unprecedented ease of configuration, monitoring and management capabilities at a fraction of the cost of current programmable communicating HVAC monitoring systems.

**Secure, Remote Monitoring and Management** The ULTRA-ZONE Internet Zone Thermostats feature standard Internet browser-based configuration and control over a secure Ethernet connection. Remote management and monitoring are available over secure and authorized broadband connections to the Internet. ULTRA-ZONE Internet Zone Thermostats can deliver e-mail status and alerts<sup>1</sup> to any PC or mobile text messaging device. A contractor or property manager can monitor, diagnose and control HVAC systems from a remote location. Equipment malfunctions or thermostat tampering will never again go unnoticed.

**IZT250** In addition to the distinctive independent alarming features of the IZT-250 Internet Zone Thermostats, it was also designed to sense and control relative humidity in a single HVAC zone. Pre-defined relative humidity limits may trigger dehumidification by forcing on the A/C system or by triggering a relay to actuate an external dehumidifier. E-mail or text message alarm notifications may also be sent if relative humidity exceeds a pre-defined threshold or falls below a pre-set lower limit.<sup>1</sup>

Note 1: With FREE subscription to Proliphix Remote Management Service or alternatively via Syslog.

Excellence Without Compromise

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### Independent Sensing Features

#### E-mail or Text Message Reporting<sup>1</sup>

- High and Low Temperature Alarm
- Time-Based Contact Closure Sensing

### Thermostat Features

#### Compatible with ULTRA-ZONE Systems

- NCM-300
- BMPLUS 3000
- UZC4

#### Humidity Sensing & Control

- AC dehumidification
- External dehumidifier

#### Compatible with most HVAC Systems

- Fossil Fuel – 2h/2c
- Heat Pump – 3h/2c

#### Fahrenheit/Celsius Support

#### Auto Changeover

#### Fan Scheduling

#### Keypad Lockout w/Override Limits

#### HVAC Control

- Heat/Cool Cycle Limits/hr
- Configurable Setpoint Deadband
- Fan Control on Heat
- Hold Mode Adjustable Timeout

#### Flexible Temperature Scheduling

- 366 Day Programming
- 3 Year Scheduling
- 4 Temperature Periods per Day
- Special Day Schedules

#### E-mail or Text Message Reporting<sup>1</sup>

- High and Low Temperature Alarm
- Over/Under Humidity Alarm
- Filter Change Reminder

#### Network Settings

- Secure Password Authentication
- Static/DHCP Addressing
- Class A, B, C Addressing
- Network Access Filters
- Syslog Messaging

#### Daylight Savings Support

#### Failsafe Low Temperature Switch

#### ENERGY STAR Compliant

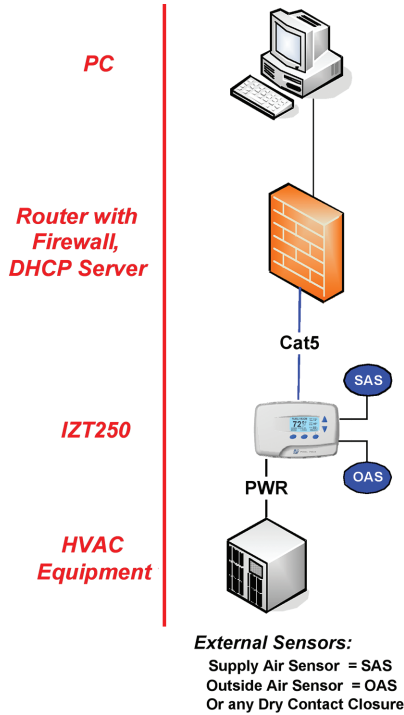
### Benefits

#### HVAC Management

- Remote Monitoring & Control
- Remote Alarm Notification

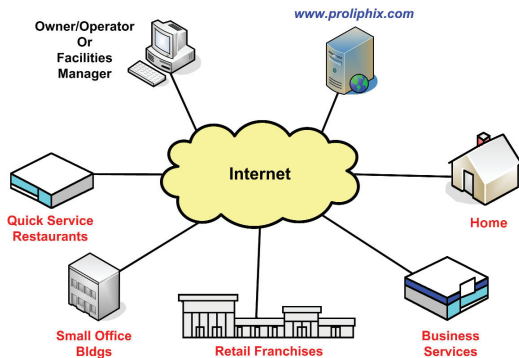
### Typical Network Installation

The ULTRA-ZONE Internet Zone Thermostats are easily installed in a wired LAN setting by terminating conventional Cat5, Cat5e or Cat6 cable to the thermostat terminal block.



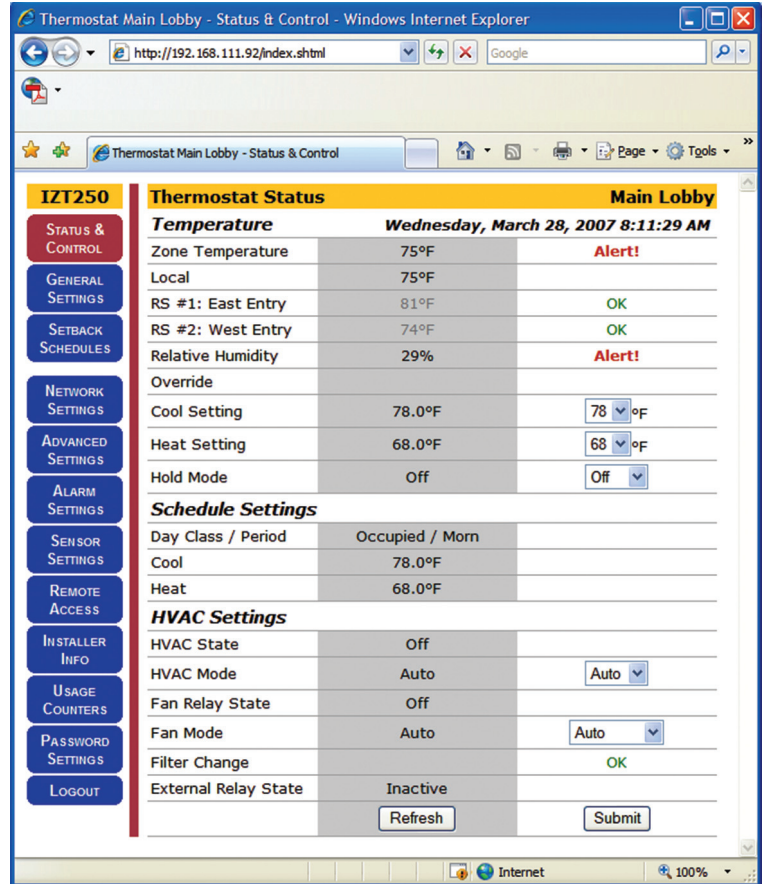
### Remote Management

A Home owner or Contractor can readily connect to any thermostat at any site by first authenticating at the Proliphix Remote Management Server to ensure security.



### Thermostat Management Interface (TMI)

The default status page is organized to clearly display the most important current status, data settings and alarm notifications of the IZT-250 thermostat.



### Specifications

- Operating Temperature: -10°C to +40°C
- Dimensions: 5.5" x 3.5" x 1.5"
- Shipping Dimensions: 7.5" x 5.5" x 2.25"
- Weight: .75 lb
- Agency Approvals: FCC, UL, ENERGY STAR
- Warranty: 1 Year Limited Warranty

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