# ULTRA-ZONE™

## Product Highlights

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

**Internet Network Thermostats** The IZT-100 Internet Zone Thermostat takes full advantage of ubiquitous Ethernet networks and the Internet to utilize the converged in-home or business network for HVAC control. The Internet Zone Thermostat product line is compatible with typical HVAC systems and offers all the features expected by home system integrators and commercial installers. 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 thermostats.

**Secure, Remote Monitoring and Management** 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. Internet Zone Thermostats can deliver e-mail status and alerts[1] to any personal computer or mobile text messaging device. A service provider or monitoring service can monitor, diagnose and control HVAC systems from a remote central location. This allows the provider to offer unprecedented energy management and service to its customers, and creates new service revenue opportunities.

**IZT100** The IZT-100 is EWC's least expensive Internet Zone Thermostat. It provides standard features which match those found on sophisticated energy management control systems. The IZT-100 provides heat, cool and advanced fan control for a single zone in standard HVAC systems and can be configured to control heat only, cool only or independent heating and cooling systems.

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

## Features

**Compatible with ULTRA-ZONE Systems**
- NCM-300
- BMPLUS 3000
- UZC4

**Compatible with most HVAC Systems**
- Fossil Fuel – 2h/2c
- Heat Pump – 2h/1c

**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**[1]
- High and Low Temperature 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**

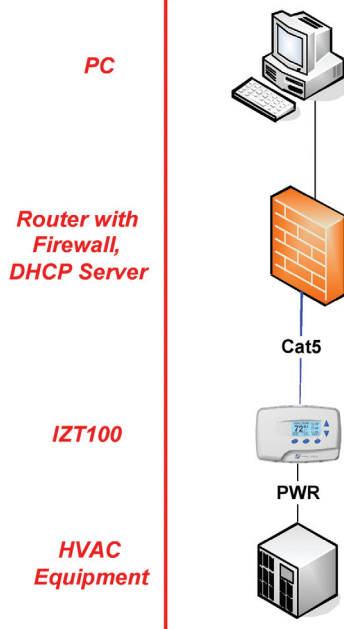**ENERGY STAR Compliant**

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*Excellence Without Compromise*

# EWC®
## CONTROLS INC.

385 Highway 33
Englishtown, NJ 07726
**ph** 800.446.3110
**fx** 732.446.5362

## Benefits

**HVAC Management**
- Remote Monitoring & Control
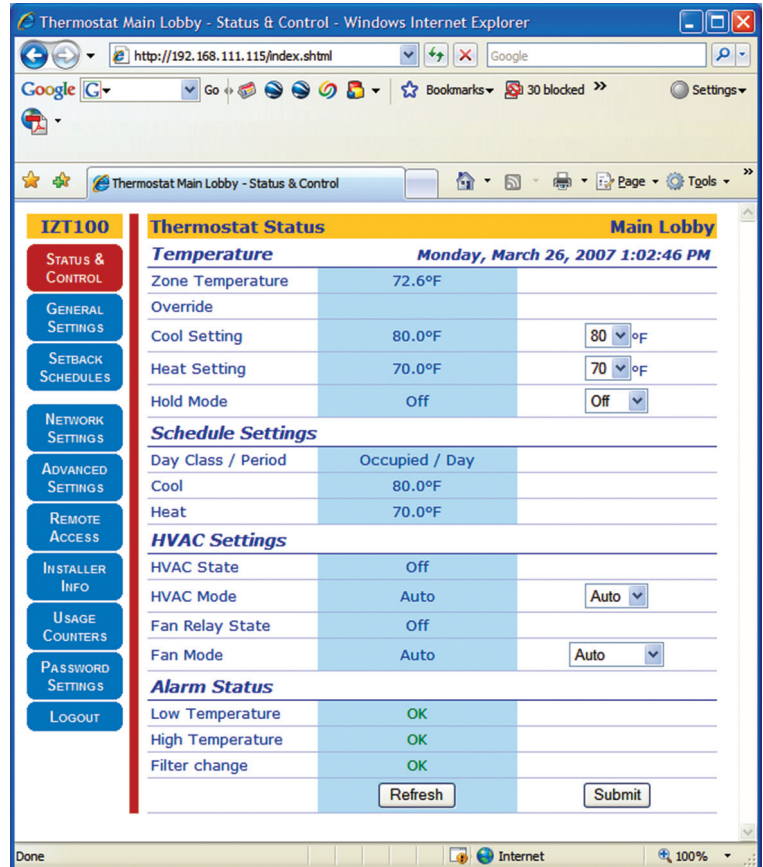- Remote Alarm Notification

# ULTRA-ZONE™

## Typical Network Installation

The ULTRA-ZONE IZT-100 Internet Thermostat is easily installed in a wired LAN environment by terminating conventional Cat5, Cat5e or Cat6 cable to the thermostat terminal block.

PC

Router with Firewall, DHCP Server

Cat5

IZT100

PWR

HVAC Equipment

## 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.

Owner/Operator Or Facilities Manager

www.proliphix.com

Internet

Quick Service Restaurants

Home

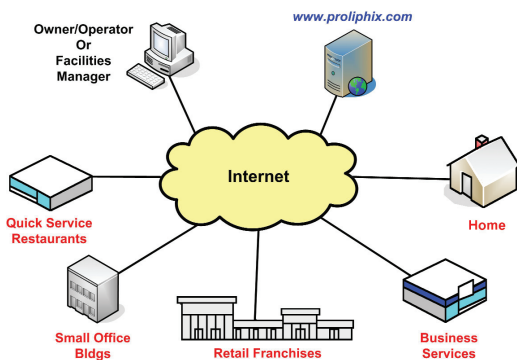Small Office Bldgs

Retail Franchises

Business Services

## Thermostat Management Interface (TMI)

The default status page is organized to clearly display the most important current status and settings of the IZT100 thermostat.

| IZT100 | Thermostat Status | | Main Lobby |
|---|---|---|---|
| STATUS & CONTROL | **Temperature** | | **Monday, March 26, 2007 1:02:46 PM** |
| | Zone Temperature | 72.6°F | |
| GENERAL SETTINGS | Override | | |
| | Cool Setting | 80.0°F | 80 °F |
| SETBACK SCHEDULES | Heat Setting | 70.0°F | 70 °F |
| | Hold Mode | Off | Off |
| NETWORK SETTINGS | **Schedule Settings** | | |
| | Day Class / Period | Occupied / Day | |
| ADVANCED SETTINGS | Cool | 80.0°F | |
| | Heat | 70.0°F | |
| REMOTE ACCESS | **HVAC Settings** | | |
| | HVAC State | Off | |
| INSTALLER INFO | HVAC Mode | Auto | Auto |
| | Fan Relay State | Off | |
| USAGE COUNTERS | Fan Mode | Auto | Auto |
| | **Alarm Status** | | |
| PASSWORD SETTINGS | Low Temperature | OK | |
| | High Temperature | OK | |
| LOGOUT | Filter change | OK | |
| | Refresh | | Submit |

## 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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