



P R O L I P H I X

PRODUCT BRIEF

SYSTEM SUPPORT

HVAC SYSTEMS

- Hydronic or Hot Air Heat by Oil or Gas
- Heat Pumps, Air Conditioning
- PTACs, RTUs

HVAC TYPE

- Fossil Fuel – Gas/Oil, 3H/2C
- Heat Pump/AC - Electric, 3H (Aux heat)/2C

PRODUCT FEATURES

ADVANCED HVAC FEATURES

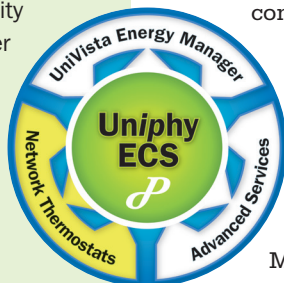
- Auto Changeover
- Intelligent Recovery
- Adjustable Setpoint Dead Band
- Adjustable Stage Offsets
- Adjustable Stage Turn-on Delay
- Fan Control on Heat
- Hold Mode Adjustable Timeout
- Time-of-Day Fan Scheduling
- Humidity Sensing & Control

SIMPLE SCHEDULING

- Calendar-Based Graphical Interface
- Drop-Down Menu Control
 - 366 Day Programming
 - 5 Year Scheduling
 - 12 Daily Profiles

ALARM TYPES

- Zone Low/High Temperature
- Zone Low/High Humidity
- Filter Change Reminder
- Remote Sensor
 - Low/High Temperature Threshold
 - Open/Closed Contact Closure



INTERNET-MANAGED THERMOSTATS UNIPHY COMMERCIAL SERIES

IMT550

- Multi-Stage HVAC System Control
- Humidity Sensing & Control
- Auxiliary Equipment Control
- Advanced Sensor Monitoring

PRODUCT HIGHLIGHTS

- Internet HVAC Monitoring and Control
- Advanced HVAC System Diagnostics
- Time-of-Day Equipment Control
- Wired Ethernet or 802.11b/g Wireless Communications
- Web Browser Configuration
- E-mail Status and Fault Reporting
- Secure Socket Layer (SSL) Data Security
- Flexible Power Options



UNIPHY ENERGY CONTROL SOLUTION

The Proliphix Internet-Managed Energy Control Solution (ECS) is a sophisticated yet inexpensive energy management system alternative for the small facility owner or operator. The Proliphix ECS provides remote HVAC system monitoring and control, lighting or process equipment control and advanced sensor monitoring, for one or all facilities in an enterprise. The Proliphix ECS is ideally suited for light commercial facilities which require comprehensive energy control at a fraction of the cost of conventional energy management systems. Small business owners/operators will be able to experience aggressive returns on investment, most often in less than a year.

UNIPHY COMMERCIAL SERIES NETWORK THERMOSTATS

The Proliphix Commercial Series Network Thermostats (IMT550c/w) are all that is necessary to provide Proliphix ECS capability at the customer facility for remote HVAC monitoring and control, appliance or equipment control and advanced thermal monitoring. The IMT550c/w network controllers, along with the Proliphix-hosted UniVista Energy Manager software (UEM), provide comprehensive energy control at the lowest cost of ownership.

The Commercial Series Network Thermostats take full advantage of wired and wireless Ethernet technologies and the Internet to leverage the business network infrastructure for comprehensive energy and HVAC system management. The Proliphix Commercial Series product line is compatible with typical HVAC systems and offers all the features expected by commercial installers and system integrators. The Proliphix Commercial Series improves on the strengths of our popular Thermal Management Series Network Thermostats by adding advanced alarming, more sophisticated HVAC control and versatile sensor capability.



PROLIPHIX

PRODUCT BRIEF

ADDITIONAL PRODUCT CAPABILITY

EXTERNAL INPUT SENSORS (3)

- Thermistor Temperature
- Dry Contact Closure

AUXILIARY RELAY OUTPUTS (2 MAX)

- Time-of-Day Activation
- Humidification/Dehumidification Control
- Zone Alarm Threshold Activation

PRODUCT NETWORK CAPABILITY

NETWORK FEATURES

- Wired Ethernet or Wireless 802.11b/g Connectivity
- SSL Password Authentication & Connection Encryption
- SMTP Client
 - E-mail, Text Messaging
 - Alarm Notifications
- Static/DHCP Addressing
- Settable Gateway Address/Address Mask
- Selectable HTTP Ports
- Supports Class A, B, C IP Addressing

ADDITIONAL PRODUCT FEATURES

ENERGY SAVINGS

- HVAC Stage Usage Counters
- Temporary Timed Override
- Limited H/C Cycles per Hour

SECURITY

- Keypad Lockout w/Override Limits
- SSL Data Encryption

CONVENIENCE

- Color Graphic TFT Display
- Ergonomic Touchscreen Control
- Ambient Light Display Backlight Control
- Auto Daylight Savings
- Unique Thermostat Naming
- Service Provider Contact Info

POWER OPTIONS

- IMT550c
 - Proliphix EPA
 - PoE (802.3af)
 - HVAC Power
- IMT550w
 - HVAC Power

PRODUCT SPECIFICATIONS

- Operating Temperature: -10°C to +40°C
- Weight: .75 lb
- Warranty: 3 Year Limited Warranty

UNIPHY REMOTE MONITORING AND CONTROL

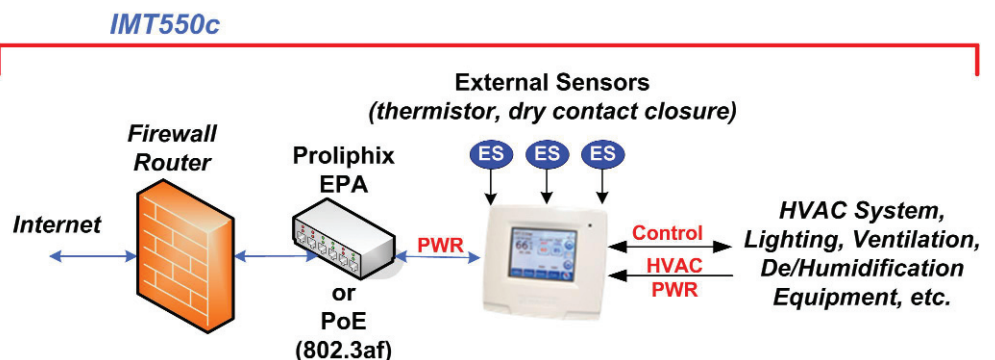
Internet connectivity and the thermostat's browser interface offer unprecedented ease of configuration, monitoring and management capabilities at a fraction of the cost of current programmable communicating thermostats. The Commercial Series Network Thermostats offer distinctive features and functions which position them as sophisticated HVAC system controllers remotely accessible and controllable via the Internet. Authorized resellers and service providers can:

- Remotely adjust the zone temperature
- Respond to HVAC alarm notifications
- Verify system maintenance completion
- Diagnose air handlers and compressors
- Control energy – real-time monitoring

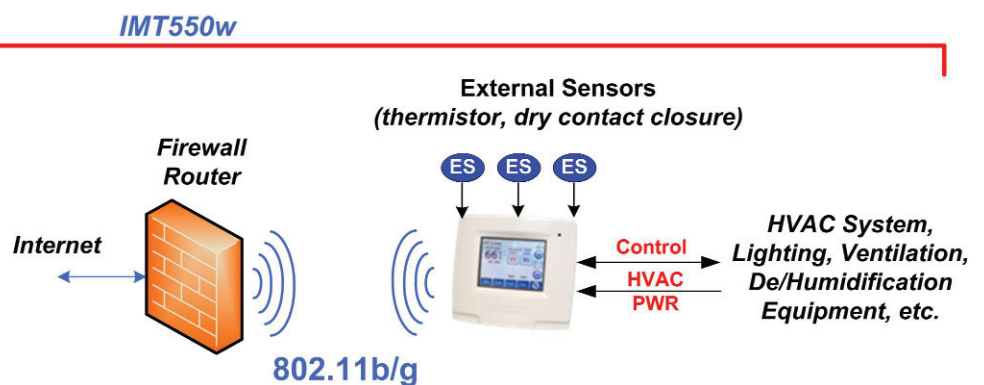
Alternatively, these features can be used *independently* to:

- Monitor and control HVAC
- Control lighting, exhaust fans, food service equipment, etc.
- Monitor refrigeration/freezer temperatures, door contact closures, etc.
- Monitor RTU electrical energy consumption

TYPICAL IMT550c NETWORK INSTALLATION



TYPICAL IMT550w NETWORK INSTALLATION



Product features and availability are subject to change without notice. Please contact Proliphix or visit our website for more information.

Rev 2.0

STANDARD OUTDOOR THERMAL SENSOR MODEL PTS-OS3

THERMISTOR

DESCRIPTION

The Model PTS-OS3 Standard Outdoor Thermistor Sensor is very economical, with an accuracy of $\pm 0.5^{\circ}\text{F}$ (0.28°C) and is compatible with the NT20e or NT120e/h Network Thermostats. The mounting design is based on proven techniques for installation efficiency with a stainless steel probe for durability. The sensor comes with a three year warranty and is made with the highest quality material which offers high reliability.

FEATURES

- Economical
- Durable plastic enclosure (NEMA 3R)
- Three-year warranty
- $\pm 0.5^{\circ}\text{F}$ (0.28°C) accuracy

APPLICATION

The PTS-OS3 can be used for outside air temperature sensing. The design allows for two-point mounting and 1.5in wall separation for more accurate performance. The weather shield protects the stainless steel probe from the effects of rain, sleet, and snow.



SPECIFICATIONS

Sensing Element	Thermistor (thermal resistor)
Accuracy	$\pm 0.5^{\circ}\text{F}$ (0.28°C)
Temp Range	-30°F to 230°F (34 to 110°C)
Temp Response	NTC - Thermistor
Thermistor Stability	0.24°F (0.13°C) over 5 years
Connection	18" (46cm) 24 AWG pigtails
Mounting	Directly to wall
Enclosure	Plastic, NEMA 3R
Probe	304 Stainless Steel
Color	White

DIMENSIONS

