PROLIPHIX

SYSTEM SUPPORT

HVAC SYSTEMS
- Hydronic or Hot Air Heat
- Heat Pumps, Air Conditioning
- PTACs, RTUs

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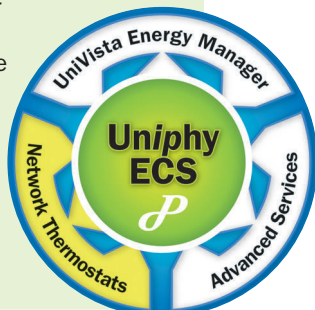
PRODUCT FEATURES

ADVANCED HVAC FEATURES
- Auto Changeover
- Economizer Control
- PI Setpoint Control
- 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
- Web Browser Graphical Interface
- Drop-Down Menu Control
  - 366 Day Programming
  - 5 Year Scheduling
  - 10 Day Classes

ALARM TYPES
- Zone Low/High Temperature
- Zone Low/High Humidity
- Filter Change Reminder
- Remote Sensor Low/High Temperature Threshold
- Remote Sensor 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
- HVAC Equipment Energy Sub-Metering
- Advanced HVAC System Diagnostics
- Time-of-Day Ancillary Equipment Control
- Wired Ethernet or WiFi Wireless Communications
- Web Browser Configuration
- E-mail Status and Fault Reporting
- Secure Socket Layer (SSL) Data Security
- Flexible Power Options

UNIPHY COMMERCIAL SERIES NETWORK THERMOSTATS

The Proliphix Commercial Series Network Thermostat (IMT550) along with the Proliphix Equipment Controllers provide the necessary Uniphy Energy Control Solution (ECS) capability at the customer facility for HVAC monitoring and control, appliance or equipment control and advanced thermal monitoring. Together, these facility hardware components, 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 HVAC system and energy 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.

UNIPHY ENERGY CONTROL SOLUTION

The Proliphix Uniphy Internet-Managed Energy Control Solution (ECS) is a sophisticated yet inexpensive energy management solution for the small facility owner or operator. The Uniphy ECS provides remote HVAC system monitoring and control for one or all facilities in an enterprise. The Uniphy 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.

ADDITIONAL PRODUCT CAPABILITY

EXTERNAL INPUT SENSORS (3)
- Thermistor Temperature
- Dry Contact Closure

AUXILIARY RELAY OUTPUTS (2 MAX)
- Time-of-Day Activation
- Astronomical Clock Activation
- Humidification / Dehumidification Control
- Zone Alarm Threshold Activation
- Remote Sensor Alarm Threshold Activation
- Adjustable Polarity

PRODUCT NETWORK CAPABILITY

NETWORK FEATURES
- Wired Ethernet or Wireless WiFi Connectivity
- SSL Password Authentication & Connection Encryption
- SMTP Server
  - E-mail, Text Messaging
  - Alarm Notifications
- SNMP Trap Generation
- Syslog Support
- Static/DHCP Addressing
- Settable Gateway Address/ Address Mask
- Selectable Firewall and HTTP Ports
- Supports Class A, B, C IP Addressing
- Selectable Address Access Filter

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

PRODUCT SPECIFICATIONS
- Operating Temperature: -10°C to +40°C
- Dimensions: 6.5" x 4.5" x 1.25"
- Shipping Dimensions: 7.5" x 5.5" x 2.25"
- Weight: .75 lb
- Warranty: 1 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.
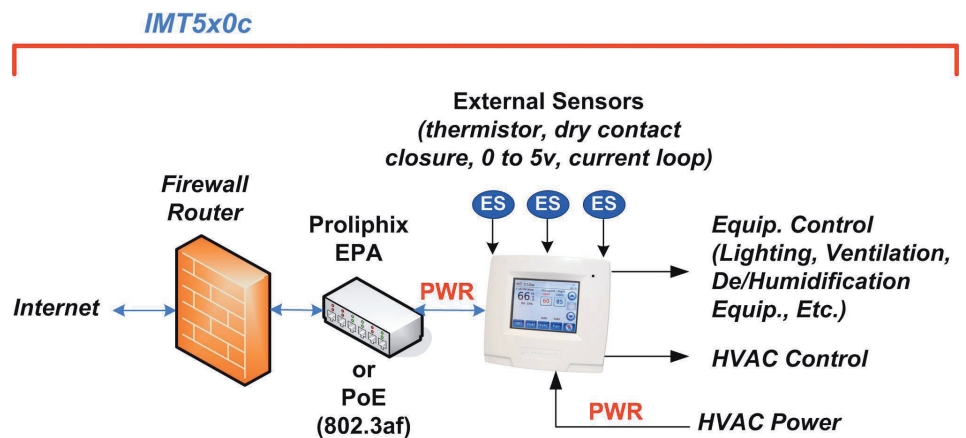
The Commercial Series Thermostats offer distinctive features and functions which position them as sophisticated roof-top unit (RTU) controllers remotely accessible and controllable via the Internet. Authorized resellers and service providers can:

- Control economizers – based on outside air temperature and humidity
- Diagnose air handlers and compressors – monitoring fan current for slipping or broken belts
- Diagnose boiler operation – pressure monitoring
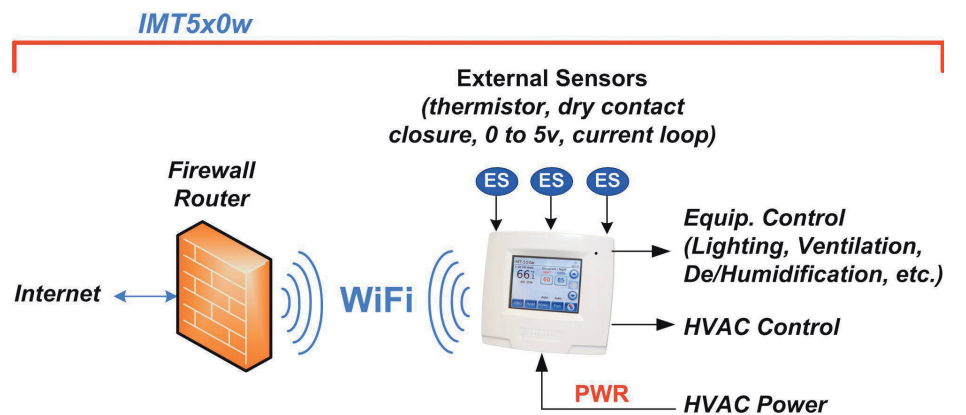- Control energy – real-time monitoring

Alternatively, these features can be used *independently* to:
- Monitor and control HVAC
- Control lighting, exhaust fans, food service equipment, etc.
- Monitor refrigeration/freezer temperatures and humidity, pressure, noxious gases, contact closures, etc.
- Monitor RTU electrical energy consumption

TYPICAL NETWORK INSTALLATION (IMT550c)

IMT5x0c

TYPICAL NETWORK INSTALLATION (IMT550w)

IMT5x0w

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

Rev 1.3