

Connectivity Week 2010 – Buildy Award Submission – Smart Home Category

TITLE:

ClimateTalk Open Standards for Smart HVAC Systems

ABSTRACT:

ClimateTalk™ is an innovative, open standard for residential network communication – an architectural foundation for application development that provides long-term value through interoperability, flexibility and expandability.



Today, ClimateTalk standards are used in “Smart HVAC” systems for automated installation, set up, control and diagnostics of residential HVAC equipment - which consume about half of the energy in the home. By enabling energy reduction in response to load-shed commands through optimized performance, ClimateTalk provides Comfort, Control and Choice, while reducing energy consumption and responding to Smart Grid requirements;

- Comfort – ClimateTalk provides optimal comfort balanced with performance and energy savings
- Control – ClimateTalk offers a broad range of capabilities in control, diagnostics and energy management
- Choice – ClimateTalk enables integration of multiple products from various suppliers to connect over a choice of wired, wireless or power line communication methods.



ClimateTalk connects Smart HVAC systems and opens doors to new possibilities through automation and enriched information not available in today’s typical installations.

Not “Yet Another Protocol” - through separation of application and transmission method, ClimateTalk standards transcend the choice of protocol and provide a path for developing solutions that provide long-term value for original equipment manufacturers, contractors, utilities and homeowners alike.