

# A Complete Line of Wireless Control Products

**TCS Basys Controls®**  
www.tcsbasys.com

## Networking thermostats with built-in wireless capability

TCS has built wireless capability into our most popular application-specific controls. That means one box—not a controller with a separate wireless converter.

The Ubiquity Wireless Solution is compatible with the entire line of TCS Basys Controls:

- Lighting
- Chillers
- Multi-zone
- Unitary HVAC
- Built-up AHU
- Refrigeration
- Boilers
- VAV
- Heat Pump



### Wireless Gateways

A wireless gateway receives signals from the wireless network and transmits them to the wired network. The wireless gateway is generally located near the QD2040. The indoor gateway (QW1010) is used for single building applications, and the outdoor gateway (QW1210) is used for multiple buildings (within 1,000 feet of each other).\*



### Wireless Controllers

Built-in wireless communication capability on TCS thermostats means a clean and simple installation with a single device. Each Superstat™ has a wireless counterpart. To order a wireless version of any Superstat™, add a “W” onto the end of the wired product number (ie, SZ1022 becomes SZ1022W).



### Wireless Bridges

TCS Basys Controls controllers for AHU, chiller, boiler, VAV, refrigeration and lighting can all be connected to a “bridge” device to convert them to wireless communications. We have bridges available to connect to a single device for indoor use (QW1100), up to 5 devices for indoor use (QW1200), or up to 5 devices for outdoor use (QW2100).



### Wireless Repeaters

If the distance between controllers exceeds 1,000 feet\* or for areas with line-of-sight obstructions that may disrupt the wireless mesh network, repeaters can be added to relay wireless signals. An indoor version (QW1011) is available for single buildings and an outdoor version (QW1111) for multi-building campuses.

## ZigBee Protocol Wireless Network Communications Parts

NETWORK DEVICES		SUPERSTAT	THERMOSTATS
QW1010	Indoor - Gateway	SZ1009W	7-Day Conventional Programmable Thermostat
QW1011	Indoor - Repeater	SZ1017aW	7-Day Modulating Programmable Thermostat
QW1100	Bridge - Single Device - Indoor	SZ1018W	Modulating Zone Thermostat
QW1111	Repeater - Outdoor	SZ1022W	7-Day Conventional Programmable Thermostat
QW1200	Bridge - Multi Device - Outdoor	SZ1024W	7-Day Heat Pump Programmable Thermostat
QW1210	Gateway - Outdoor	SZ1031W	365-Day Conventional Programmable Thermostat
QW2100	Bridge - Multi Device - Indoor	SZ1033W	365-Day Heat Pump Programmable Thermostat
		SZ1035W	365-Day Conventional Programmable Thermostat
		SZ1041W	365-Day Conventional Programmable Thermostat
		SZ1051W	365-Day Modulating Programmable Thermostat
		SZ1053W	365-Day Modulating Programmable Thermostat

\*Actual distance varies depending on conditions