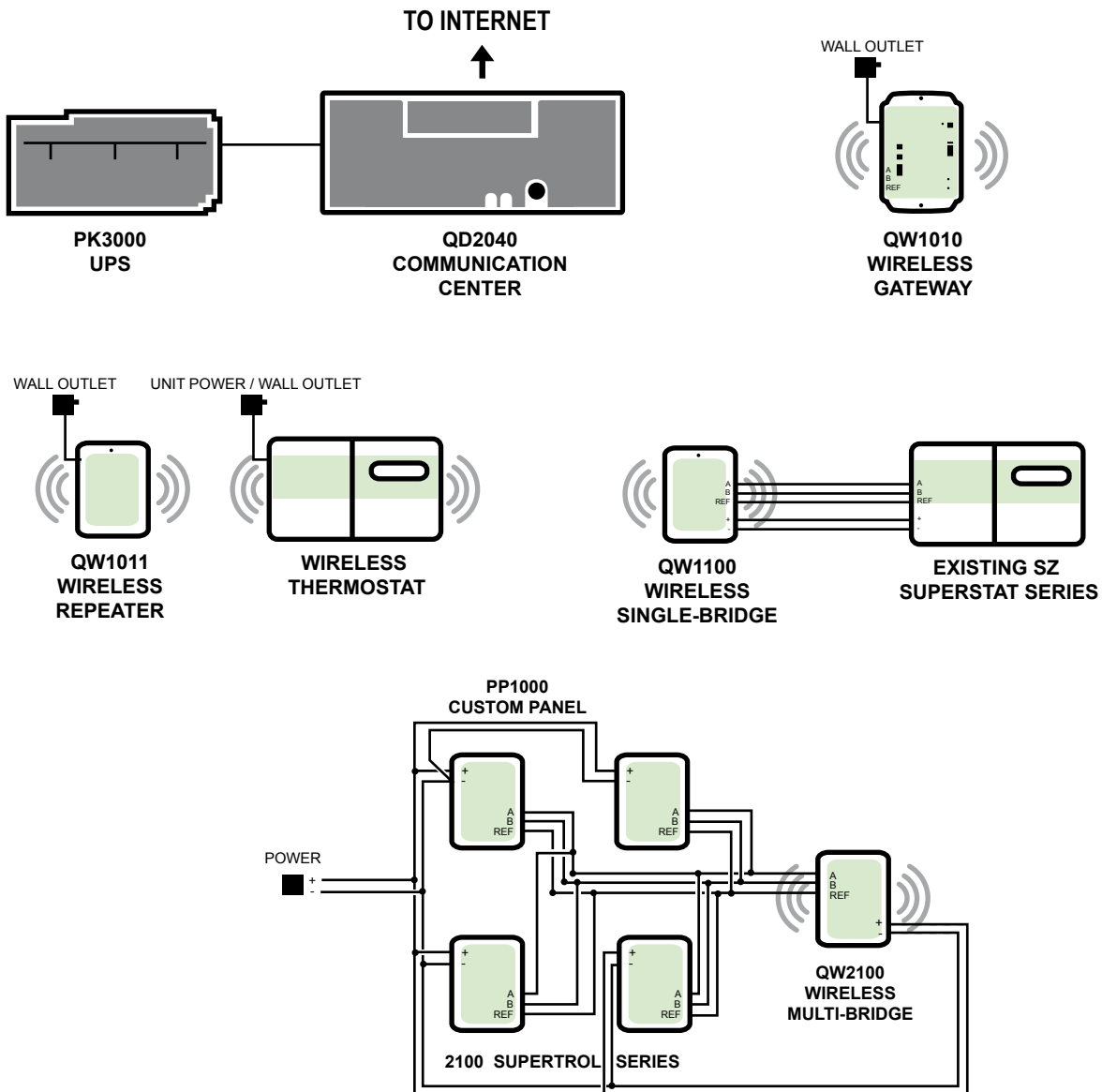


ZigBee Wireless

EZ Installation Instructions for TCS ZigBee wireless devices

1. Install the QW1010.
2. Install all SW superstat series controllers, QW2100 series devices, (Start with the device closest to the QW1010). Ensure that you have a unique address programmed in each controller. Give the ZigBee network 5-10 mins to mesh.
3. Install the QD2040, PK3000 + wire the QW1010 to the QD2040.
4. Log into www.ubiquitysystems.net or stand-alone QD2040 and verify all controllers are communicating.
 - 4a. If any controller(s) is (are) not communicating it may require a QW1011 wireless repeater nearby to connect to the ZigBee network.
5. Look at each controller's signal strength indicator (0 to 100% with 100% as the best possible signal). Any controller with less than 15% signal strength will require a QW1011 wireless repeater installed nearby.
 - 0 - 15%: *unacceptable*,
 - 16 - 80%: *good*,
 - 81 - 100%: *excellent*



NOTE: max distance for indoor ZigBee wireless network is 150' to 500' depending on conditions.

The ZigBee wireless network supports 64 wireless nodes (including Gateway, Bridges & Repeaters)

PP1000

Custom panel

PK3000

UPS

QD2040

Embedded site communication center

QW1010

Wireless Gateway

QW1011

ZigBee wireless indoor repeater

QW1100

ZigBee wireless bridge - single device

QW2100

ZigBee wireless bridge - multi device supports up to 32 hardware controllers/devices

SW Superstat Series

ZigBee wireless thermostat (SZ10xxW series)

SZ Superstat Series

Hard-ware thermostat (SZ10xx series)

2100 Supertrol Series

SL21xx + SZ21xx series controllers