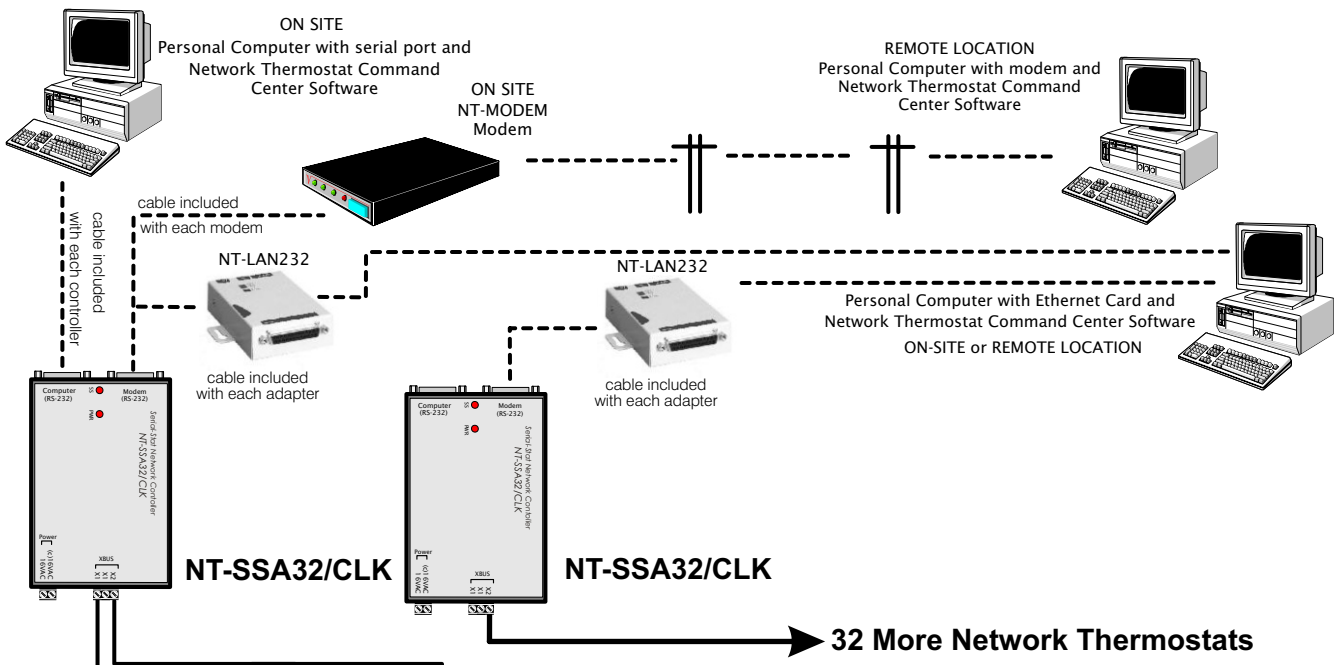
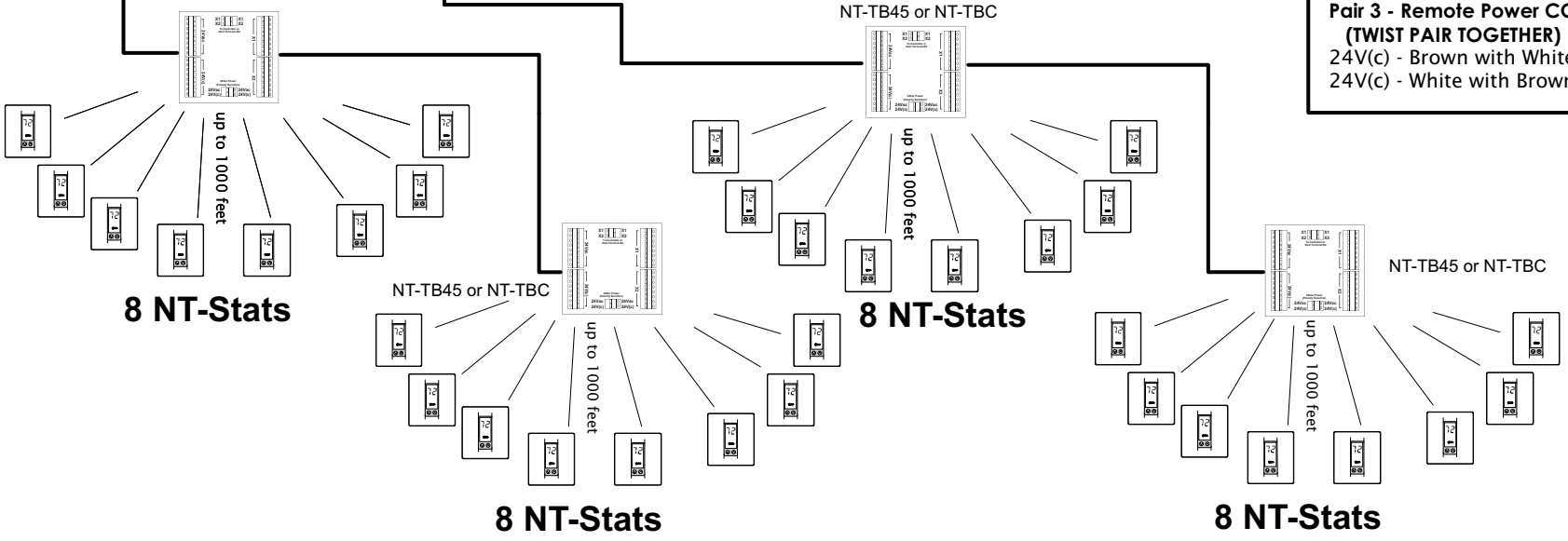
Network Wiring for Large Systems with 32+ Thermostats





Up to four (4) terminal boards for a total of 32 NT-Stats on one controller

Cable and Wiring Notes
All NetworkThermostat products follow industry standard data communications wiring practices. Refer to your local building codes for specific requirements

Wiring Guidelines
A) Any NT-Stat can be up to 1000 feet away from the NT-Stat Controller
B) Total of 4,000 feet of cable on any one controller
C) ANY combination of home-run, daisy-chain, or multi-drop wiring configuration may be used. See other Network Thermostat wiring diagrams for details
D) NT-TBC or NT-TB45 terminal boards may be placed anywhere within the 4,000 feet

Cable Specifications
NT-Stat cable options:
A) Category 5e, 24AWG, 4-pair, or equivalent
B) Category 5e, 24AWG, 4-pair, plenum rated or equivalent

Pair 1 - NT-Stat Communications Bus
X2 - Blue with White Stripe
X1 - White with Blue Stripe

Pair 2 - Remote Power HOT (TWIST PAIR TOGETHER)
24VAC - Green with White Stripe
24VAC - White with Green Stripe

Pair 3 - Remote Power COMMON (TWIST PAIR TOGETHER)
24V(c) - Brown with White Stripe
24V(c) - White with Brown Stripe

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