

NLC V5.2 Thermostat Integration (Table TH-1): Documentation Requirements

This reference lists, for each Table TH-1 question, the acceptable answer(s), the documentation needed to support the claim, and which party provides it. Thermostats are not qualified separately under NLC V5.2; the NLC system's capability to integrate with the thermostat is what is recognized, and the compatible thermostat appears under the NLC system's QPL listing.

#	Question	Acceptable Answer(s)	Documentation Required	Provided By
1	Name of the thermostat manufacturer, model name and model number.	Provide info	Signed agreement form identifying the thermostat manufacturer and model name.	Both
2	Does the NLC system communicate digital occupied / unoccupied data that the thermostat can receive and respond to by changing temperature setpoints and fan control?	Yes (Required)	NLC user guide showing the occupancy data output, and thermostat user guide / instructions confirming the thermostat can receive that data and respond by adjusting setpoints and fan control.	Both
3	Can the thermostat and NLC be integrated and configured to exchange digital occupancy data by following the manufacturer's instructions, without special training, custom scripting, programming, or third-party tools?	Yes (Required)	NLC user guide showing the integration and configuration steps.	NLC
4	Can the thermostat be configured by GUI to subscribe to occupancy data from multiple occupancy sensors, using simple, non-text-heavy methods (dropdowns, drag-and-drop, tabular assignment, rule-based wizards)?	Yes (Required)	NLC app documentation showing the thermostat added as a node in the lighting network, OR thermostat app documentation if the thermostat has its own accepted GUI. The core requirement is a GUI that allows easy setup.	NLC or Thermostat
5	Can the occupancy data shared with the thermostat indicate the percentage of the space or area occupied, enabling the thermostat to modulate HVAC output by occupancy percentage rather than only full vacancy or full occupancy?	Yes or No	NLC user guide showing the lighting network sending data from multiple sensors, and thermostat documentation showing it analyzes that data and can respond to percentage occupancy. Key point: the thermostat must be able to tie to multiple sensors, not just one.	Both
6	Does lighting-thermostat integration require a gateway?	Yes or No	Confirmation from either the NLC or thermostat documentation.	NLC or Thermostat
7	If a gateway is required, name of the gateway manufacturer, model name and model number.	Provide info	NLC or gateway spec sheet identifying the gateway manufacturer, model name and model number.	NLC
8	Can lighting and thermostat be scheduled together on one GUI display?	Yes or No	NLC app documentation showing a single GUI that displays both lighting and thermostat scheduling.	NLC
9	Are the primary thermostat terminal designations RGYW?	Yes or No	Thermostat user guide. RGYW is the standardized wiring terminal form; note that proprietary designs (e.g. some heat-pump thermostats) may not use it.	Thermostat
10	In addition to digital occupancy data, can the thermostat also accept 24VAC wired occupancy input?	Yes or No	Thermostat user guide confirming whether it accepts analog / dry-contact input. It need not be 24VAC specifically (though that is most common); other voltages also qualify.	Thermostat

#	Question	Acceptable Answer(s)	Documentation Required	Provided By
11	What digital lighting network protocol(s) are used to transfer occupancy data between the thermostat and NLC system?	Choose all that apply	NLC user guide identifying the protocol(s) used (e.g. Bluetooth NLC HVAC Integration Profile, EnOcean, KNX, PoE, Zigbee HA, Zigbee 3.0, Zigbee 4.0, other).	NLC
12	Besides occupancy, what additional data can the NLC transfer to the thermostat (installed and configured per the manufacturer's instructions, without special training, scripting, programming, or third-party tools)?	Choose all that apply	NLC user guide identifying additional data supported (none, humidity, CO2, particulates, pressure, or other).	NLC
13	What GUI type(s) are supported (mobile app, web browser, wallstation)?	Choose all that apply	NLC user guide. Note that commissioning and operations may use different modes: a separate mode may be used for commissioning, then the system returns to the NLC app for operations.	NLC

Legend: NLC = NLC manufacturer documentation. Thermostat = thermostat manufacturer documentation. Both = documentation required from both parties.