condition of the network connected device. The apparatus further includes a memory configured to store the setting information used by the processor.

[0006] According to another aspect of the disclosure, a system is disclosed. The system can include an intelligent remote sensor configured to communicate sensory based information to a network device and a mobile device. The system further includes an environment coordinator configured to communicate with the intelligent remote sensor to initiate coordinating operating conditions of the network device at a site. The system also includes a mobile application configured to be deployed on the mobile device and communicate with the intelligent remote sensor to automatically alter an operating condition of the network device when the mobile device is within a specific region of the site.

[0006a] According to another aspect of the disclosure, there is provided an intelligent remote sensor enabled apparatus comprising:

a wireless communication device configured to communicate with a mobile device and an environment coordinator located at a site;

an operating condition selector configured to enable a manual selection of an operating condition of a network connected device at the site;

a sensor module configured to sense at least one operating condition within an environment at the site to obtain sensory-based information;

a near field communication (NFC) device configured to:

output authentication data to the mobile device to join the mobile device when the mobile device is placed near the NFC device, and

output the sensory-based information including a status information of the at least one operating condition of the environment at the site;

a processor configured to:

process a selection of the operating condition selector to enable activation of a setting of the network connected device,

detect a connection of the mobile device to the wireless communication device, and

initiate communication of setting information to the environment coordinator to alter the operating condition of the network connected device; and

a memory configured to store the setting information used by the processor.

[0006b] In various embodiments, the sensor module is configured to provide one or more of the following:

temperature sensing;

humidity sensing

network availability sensing;

connected device sensing;

power management sensing;

proximity sensing;

network device sensing;

distance sensing;

motion sensing;

sound sensing;

light sensing; and

airflow sensing.

[0006c] In various embodiments, the environment coordinator is deployed within the network device.

[0006d] In various embodiments, the intelligent remote sensor enabled apparatus further comprises a proximity sensing module configured to alter transmission of a wireless communication of the wireless communication device based on a presence or absence of a user.

[0006e] In various embodiments, the intelligent remote sensor enabled apparatus further comprises a proximity sensing module configured to alter a sleep state and an awake state based on a proximity based input and a time interval.

[0006f] In various embodiments, the processor is configured to use one or more of:

a Bluetooth LE device to transmit the sensory-based information when in the awake state;

a power management module configured to initiate a reduction in power consumption when a user is away or home by altering an operating mode of the Bluetooth LE device;

wherein the time interval can include a variable time interval to initiate the awake and sleep states.

[0006g] In various embodiments, the processor is further configured to initiate communication with an iOS-based operating system device using an iBeacon protocol and to initiate a communication with an Android-based operating system device using Bluetooth LE protocol upon detection of either iOS.

[0006h] In various embodiments, the wireless communication device is configured to transmit the sensory-based information formatted to be displayed on a GUI of the mobile device.

[0006i] In various embodiments, the intelligent remote sensor enabled apparatus further comprises a touch button for enabling and disabling one or more network device including:

a lighting device;

a temperature device;

a speaker device;

a camera device;

a door lock; and

an additional network device.

[0006j] In various embodiments, the intelligent remote sensor enabled apparatus further comprises a touch button to lock and unlock manual, non-proximity based detection.

[0006k] In various embodiments, the processor is further configured to be used with the mobile device to activate and deactivate use of the sensory-based information to alter operating the network connected device based on the mobile device connecting to the wireless communication device.

[0006l] In various embodiments, the touch button is configured to initiate the processor to group the network connected devices and further to enable and disable use when activated or deactivated by the manual lock and unlock button.

[0006m] In various embodiments, the intelligent remote sensor enabled further comprises:

a set of LEDs, each of the set of LEDs illuminated using a variety of colors to indicate which network device is manually activated.

[0006n] According to another aspect of the disclosure, there is provided a system comprising:

an intelligent remote sensor configured to communicate sensory-based information to a network device and a mobile device;

an environment coordinator configured to communicate with the intelligent remote sensor to receive the sensory-based information and initiate coordinating operating conditions of the network device at a site;

a near field communication (NFC) device configured to:

output authentication data to the mobile device to join the mobile device when the mobile device is placed near the NFC device, and

output the sensory-based information including a status information of the at least one operating condition of the environment at the site; and

a mobile application configured to be deployed on the mobile device and communicate with the intelligent remote sensor to automatically alter an operating condition of the network device when the mobile device is within a specific region of the site.

[0006o] In various embodiments, the intelligent remote sensor includes a set of LEDs, each of the set of LEDs illuminated using a variety of colors to indicate which network device is manually activated.

[0006p] In various embodiments, the intelligent remote sensor further includes:

a Bluetooth enabled communication device configured to transmit information to the mobile device and detect a presence of the mobile device within a predefined distance of the intelligent remote sensor;

wherein the environment coordinator further includes:

a Bluetooth enabled communication device configured to receive the sensory-based information transmitted from the intelligent remote sensor; and

a Wifi enabled communication device configured to receive the sensory-based information communicated from the mobile device; and

wherein the NFC device is configured to detect the mobile device located near a housing of the intelligent remote sensor.

[0006q] In various embodiments, the environment coordinator is configured to:

identify settings information received from either of the mobile device or the intelligent remote sensor;

alter operating conditions of the network device based on settings information established at either; and

process sensor based information detected at the intelligent remote sensor.

[0006r] In various embodiments, the system further comprises:

communication means for communicating information between the mobile device and the intelligent remote sensor;

processing means for determining an operating condition; and

power supply means for managing power consumption of the intelligent remote sensor in response to a presence at the site.

[0006s] In various embodiments, the intelligent remote sensor includes:

a Bluetooth enabled device configured to communicate with a Bluetooth enabled network device and the mobile device using a Bluetooth communication protocol;

a Zigbee enabled device configured to communicate with a Zigbee enabled network device using a Zigbee communication protocol;

a Z-Wave device configure to communicate with a Z-Wave enabled network device using a Z-Wave communication protocol; and

a Bluetooth communication with the mobile device that includes a communication tunnel configured to communicate a Zigbee enabled message and a Z-Wave enabled message to the mobile application;

wherein the mobile application is configured to process the Zigbee enabled message the Z-Wave enabled message into a different format to be used by the mobile application.

[0007] Various other aspects of the disclosure are provided in the abstract, description of the drawings, and claims provided herein.

BRIEF DESCRIPTION OF THE DRAWINGS

[0008] It will be appreciated that for simplicity and clarity of illustration, elements illustrated in the Figures have not necessarily been drawn to scale. For example, the dimensions of some of the elements are exaggerated relative to other elements. Embodiments incorporating teachings of the present disclosure are shown and described with respect to the drawings presented herein, in which:

[0009] FIG. 1 illustrates a diagram of a network and system to coordinate environments at a site according to an aspect of the disclosure;

WHAT IS CLAIMED IS:

1. An intelligent remote sensor enabled apparatus comprising:

a wireless communication device configured to communicate with a mobile device and an environment coordinator located at a site;

an operating condition selector configured to enable a manual selection of an operating condition of a network connected device at the site;

a sensor module configured to sense at least one operating condition within an environment at the site to obtain sensory-based information;

a near field communication (NFC) device configured to:

output authentication data to the mobile device to join the mobile device when the mobile device is placed near the NFC device, and

output the sensory-based information including a status information of the at least one operating condition of the environment at the site;

a processor configured to:

process a selection of the operating condition selector to enable activation of a setting of the network connected device,

detect a connection of the mobile device to the wireless communication device, and

initiate communication of setting information to the environment coordinator to alter the operating condition of the network connected device; and

a memory configured to store the setting information used by the processor.

2. The apparatus of claim 1, wherein the sensor module is configured to provide one or more of the following:

temperature sensing;

humidity sensing

network availability sensing;

connected device sensing;

power management sensing;

proximity sensing;

network device sensing;

distance sensing;

motion sensing;

sound sensing;

light sensing; and

airflow sensing.

3. The apparatus of claim 1, wherein the environment coordinator is deployed within the network device.

4. The apparatus of claim 1, further comprising a proximity sensing module configured to alter transmission of a wireless communication of the wireless communication device based on a presence or absence of a user.

5. The apparatus of claim 1, further comprising a proximity sensing module configured to alter a sleep state and an awake state based on a proximity based input and a time interval.

6. The apparatus of claim 5, wherein the processor is configured to use one or more of:

a Bluetooth LE device to transmit the sensory-based information when in the awake state;

a power management module configured to initiate a reduction in power consumption when a user is away or home by altering an operating mode of the Bluetooth LE device;

wherein the time interval can include a variable time interval to initiate the awake and sleep states.

7. The apparatus of claim 1, wherein the processor is further configured to initiate communication with an iOS-based operating system device using an iBeacon protocol and to initiate a communication with an Android-based operating system device using Bluetooth LE protocol upon detection of either iOS.

8. The apparatus of claim 6, wherein the wireless communication device is configured to transmit the sensory-based information formatted to be displayed on a GUI of the mobile device.

9. The apparatus of claim 1, further comprising a touch button for enabling and disabling one or more network device including:

a lighting device;

a temperature device;

a speaker device;

a camera device;

a door lock; and

an additional network device.

10. The apparatus of claim 1, further comprising a touch button to lock and unlock manual, non-proximity based detection.

11. The apparatus of claim 10, wherein the processor is further configured to be used with the mobile device to activate and deactivate use of the sensory-based information to alter operating the network connected device based on the mobile device connecting to the wireless communication device.

12. The apparatus of claim 10, wherein the touch button is configured to initiate the processor to group the network connected devices and further to enable and disable use when activated or deactivated by the manual lock and unlock button.

13. The apparatus of claim 1, further comprising:

a set of LEDs, each of the set of LEDs illuminated using a variety of colors to indicate which network device is manually activated.

14. A system comprising:

an intelligent remote sensor configured to communicate sensory-based information to a network device and a mobile device;

an environment coordinator configured to communicate with the intelligent remote sensor to receive the sensory-based information and initiate coordinating operating conditions of the network device at a site;

a near field communication (NFC) device configured to:

output authentication data to the mobile device to join the mobile device when the mobile device is placed near the NFC device, and

output the sensory-based information including a status information of the at least one operating condition of the environment at the site; and

a mobile application configured to be deployed on the mobile device and communicate with the intelligent remote sensor to automatically alter an operating condition of the network device when the mobile device is within a specific region of the site.

15. The system of claim 14,

wherein the intelligent remote sensor includes a set of LEDs, each of the set of LEDs illuminated using a variety of colors to indicate which network device is manually activated.

16. The system of claim 14,

wherein the intelligent remote sensor further includes:

a Bluetooth enabled communication device configured to transmit information to the mobile device and detect a presence of the mobile device within a predefined distance of the intelligent remote sensor;

wherein the environment coordinator further includes:

a Bluetooth enabled communication device configured to receive the sensory-based information transmitted from the intelligent remote sensor; and

a Wifi enabled communication device configured to receive the sensory-based information communicated from the mobile device; and

wherein the NFC device is configured to detect the mobile device located near a housing of the intelligent remote sensor.

17. The system of claim 14, wherein the environment coordinator is configured to:

identify settings information received from either of the mobile device or the intelligent remote sensor;

alter operating conditions of the network device based on settings information established at either; and

process sensor based information detected at the intelligent remote sensor.

18. The system of claim 14, further comprising:

communication means for communicating information between the mobile device and the intelligent remote sensor;

processing means for determining an operating condition; and

power supply means for managing power consumption of the intelligent remote sensor in response to a presence at the site.

19. The system of claim 14,

wherein the intelligent remote sensor includes:

a Bluetooth enabled device configured to communicate with a Bluetooth enabled network device and the mobile device using a Bluetooth communication protocol;

a Zigbee enabled device configured to communicate with a Zigbee enabled network device using a Zigbee communication protocol;

a Z-Wave device configure to communicate with a Z-Wave enabled network device using a Z-Wave communication protocol; and

a Bluetooth communication with the mobile device that includes a communication tunnel configured to communicate a Zigbee enabled message and a Z-Wave enabled message to the mobile application; and

wherein the mobile application is configured to process the Zigbee enabled message the Z-Wave enabled message into a different format to be used by the mobile application.