[0018] According to an eighth aspect of the present disclosure, there is provided a computing device for controlling at least one operational parameter of at least one water control device, wherein the operational parameter is associated with water used by the water control device, wherein: the computing device is arranged to receive operational data associated with at least one operational parameter from an electronic controller associated with a water control device, develop control data based on the received operational data and send the control data to the electronic controller for controlling the operational parameter of the water control device based on the received control data.

[0018a] According to another aspect of the present disclosure, there is provided a bathroom facility water management method of controlling at least one operational parameter of at least one water control device in a bathroom facility water management system comprising an embedded electronic device or a computing device, an administration level computing device and a management level computing device, wherein the operational parameter is associated with water used by the water control device, the method comprising sending, from an electronic controller of the water control device, operational data associated with the operational parameter to the embedded electronic device or computing device when the embedded electronic device or the computing device is in the vicinity of the electronic controller; receiving, at the embedded electronic device or the computing device, the operational data, and developing control data based on the received operational data and sending the control data to the electronic controller when the embedded electronic device or the computing device is in the vicinity of the electronic controller; and receiving, at the electronic controller, the control data and controlling the operational parameter of the water control device based on the received control data, sending, from the electronic controller, the operational data to the embedded electronic device or the computing device, controlling, at the administration level computing device, a plurality of water control devices in a single bathroom facility via the embedded electronic device or the computing device based on the operational data, and controlling, at the management level computing device, a plurality of water control devices in a plurality of bathroom facilities via the embedded electronic device or the computing device based on the operational data, wherein the method further comprises the steps of storing operational parameters associated with the correct functioning of the water control device in a data store of the electronic controller of the water control device, comparing at the electronic controller the operational data with the operational parameters associated with the correct functioning of the water control device to determine whether the water control device is functioning correctly, and controlling the water control device based on the determination of whether the water control device is functioning correctly.

[0018b] Another aspect of the present disclosure provides a bathroom facility water management system for controlling at least one operational parameter of at least one water control device in a bathroom facility water management system, wherein the operational parameter is associated with water used by the water control device, the bathroom facility water management system further comprising an electronic controller of the water control device, an embedded electronic device or a computing device, an administration level computing device and a management level computing device, wherein the electronic controller is arranged to send operational data associated with the operational parameter to the embedded electronic device or the computing device when the embedded electronic device or the computing device is in the vicinity of the electronic controller; the embedded electronic device or the computing device is arranged to receive the operational data, develop control data based on the received operational data and send the control data to the electronic controller when the embedded electronic device or the computing device is in the vicinity of the electronic controller; the electronic controller is further arranged to receive the control data and control the operational parameter of the water control device based on the received control data, the electronic controller is arranged to send the operational data to the embedded electronic device or the computing device; the administration level computing device is arranged to control a plurality of water control devices in a single bathroom facility via the embedded electronic device or the computing device based on the operational data, and the management level computing device is arranged to control a plurality of water control devices in a plurality of bathroom facilities via the embedded electronic device or the computing device based on the operational data, wherein the water control device is arranged to store operational parameters associated with the correct functioning of the water control device in a data store of the electronic controller of the water control device, wherein the electronic controller is arranged to compare the operational data with the operational parameters associated with the correct functioning of the water control device to determine whether the water control device is functioning correctly, and control the water control device based on the determination of whether the water control device is functioning correctly.

[0019] Other aspects of the present disclosure are also disclosed.

Brief Description of the Drawings

[0020] At least one embodiment of the present invention will now be described with reference to the drawings and appendices, in which:

[0021] Figs. 1A and 1B form a schematic block diagram of a general purpose computer system upon which arrangements described can be practiced;

[0022] Figs. 2A and 2B collectively form a schematic block diagram representation of an embedded electronic device upon which described arrangements can be practised;

[0023] Fig. 3 shows a water control device with an electronic controller according to the herein disclosure;

[0024] Fig. 4 shows a water management system according to the herein disclosure;

[0025] Fig. 5 shows a further water management system according to the herein disclosure;

[0026] Fig. 6 shows a water management process according to the herein disclosure;

[0027] Fig. 7 shows a further water management process according to the herein disclosure;

[0028] Fig. 8 shows a further water management process according to the herein disclosure;

[0029] Fig. 9 shows a further water management process according to the herein disclosure;