

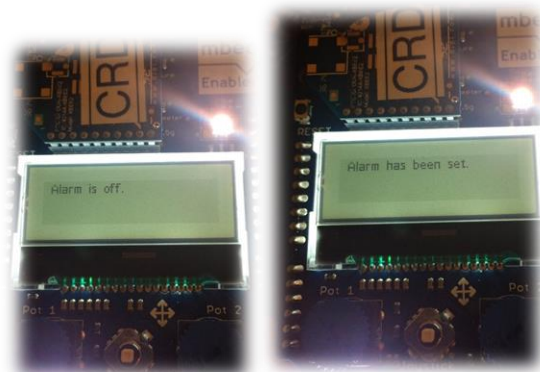
Assessment 5: Video and Photos

When the alarm, via JS or Mbed, it also illustrates the reset on the LCD screen, displaying this message:

The System is mostly functional via xbee, that communicates to the control through a spam of xbee messages. The controller mbed device manipulates the device's motion sensors via Java or HTTP (HTTPServer, RPCVariables and JavaScript) program, that also manages an MQTT message. Then send data from the sender via RPCVariable through Ethernet or Serial to an interface for the user. Furtherly, the controller device sets an alarm that can only be toggled via pressing the fire button on the device or by the http server.

When MQTT Server sends message to mbed through java app, shown (right), the mbed handles this by toggling the alarm and display a message relative to the action.

When there are no xbee or serial is readable the LCD screen will display a message: "Welcome. No readable Xbee."



The Sender Device will calculate the motion by using the application shield and display the results on the LCD screen. The Sender will start sending data when it has been set by pressing the fire button on a door in the correct fixed position enabling it to effectively measure the door movement.

The Video further shows the xbee relationship with the mbed device.

