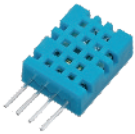

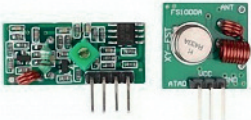


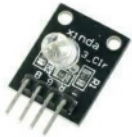



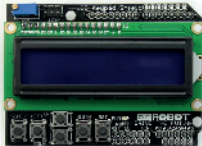











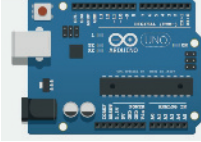




## APPENDIX A - COMPONENT LIST

<b>Temperature and Humidity Sensor (DHT11)</b>	
80p (Banggood) - £2.48 (Amazon)	
<b>Pressure and Temperature Sensor (BMP180)</b>	
99p - £2.99 (eBay)	
<b>433 Mhz Transmitter &amp; Receiver</b>	
£1.02 (Amazon) - £1.38 (MinilmTheBox)	
<b>Push Button</b>	
100 pcs £1.51 (Banggood) - £2.99 (Amazon)	
<b>Light Emitting Diode (single colour LED)</b>	
10 each of 5 colours £1.79 (eBay) - 8p (various)	
<b>Light Emitting Diode Module (tri-colour LED)</b>	
£1.94 (EachBuyer.com) - £2.36 (Banggood)	
<b>Resistors (10K ohms)</b>	
10pcs 15p (various)	
<b>Real Time Clock (DS1307 or similar)</b>	
£1.18 (MinilnTheBox) - £2.55 (eBay)	

## COMPONENT LIST - Continued

<b>20x4 Liquid Crystal Display (LCD)</b>  £3.77 (eBay) - £17.00 (Makersify)	
<b>16x2 Liquid Crystal Display (LCD Shield)</b>  £2.52 - £7.99 (Amazon)	
<b>Connectors (Male to Male)</b>  Typical: 65 pcs, 11 - 26cm £2.50 (Amazon)	
<b>Connectors (Male to Female)</b>  Typical: 40 pcs, 10cm £2.50 (Amazon)	
<b>Spiral Spring Aerial</b>  10 pcs £1.59 (Banggood) - £2.69 (Amazon)	
<b>Whip Aerial</b>  £3.94 (Rapid Electronics) - £9.78 (RS Components)	
<b>Buzzer</b>  2pcs £1.99 (Squirrel-labs UK) - £4.13 (Amazon)	
<b>Keypad</b>  1pc £1.99 - 5pcs £2.99 (both through Amazon)	

## COMPONENT LIST - Continued

<b>Relay</b>	
From £1.20 through Amazon suppliers	
<b>Electronic Lock</b>	
From £ 2 + dependent on use required	
<b>Power Supply</b>	
From £3.58 (Accmart)	
<b>Arduino Uno</b>	
£3.84 (GearBest) - £24.99 (Maplin Electronics)	
<b>Header Connectors</b>	
Many suppliers	
<b>Loud Buzzer Module</b>	
£2.08 (Amazon)	
<b>Data Logging Shield</b>	
Approx. £4 (Amazon)	
<b>SD Card Module (option to use with RTC)</b>	
Approx. £1.50 (Amazon)	