

Used materials twilight clock

All parts are needed 1x unless specified otherwise.

 <p>Arduino Nano without headers.</p>	 <p>Real time clock (RTC), no headers.</p>	 <p>Photosensitive sensor module 5V.</p>
 <p>16x2 character LCD display with piggyback I2C module 5V.</p>	 <p>38x88x100mm Black Aluminum Enclosure.</p>	 <p>LIR 2032 Rechargeable battery for the RTC. Don't use a normal battery, the voltage is too low.</p>
 <p>Rotary encoder with push button.</p>	 <p>2 pieces 6mm black metal knob for knurled shaft $\varnothing 15 \times 16.5\text{mm}$.</p>	 <p>Potmeter 10K ohm.</p>
 <p>RCA connector with cable.</p>	 <p>Momentary push button (any push button will do).</p>	 <p>HLK-PM01 (5V) Power module.</p>
 <p>5V relay for Arduino.</p>	 <p>Round aluminum tube $\varnothing 10\text{mm}$.</p>	 <p>Round aluminum tube $\varnothing 30\text{mm}$.</p>
 <p>Female RCA chassis part.</p>	 <p>Heat shrink tube 16mm for isolating RTC and Arduino.</p>	 <p>Power cable.</p>
 <p>Multiple socket outlet ungrounded.</p>	 <p>4 pieces 5mm M3 bolt and 4 pieces M3 locknuts.</p>	 <p>4 pieces M3 standoffs 5mm.</p>