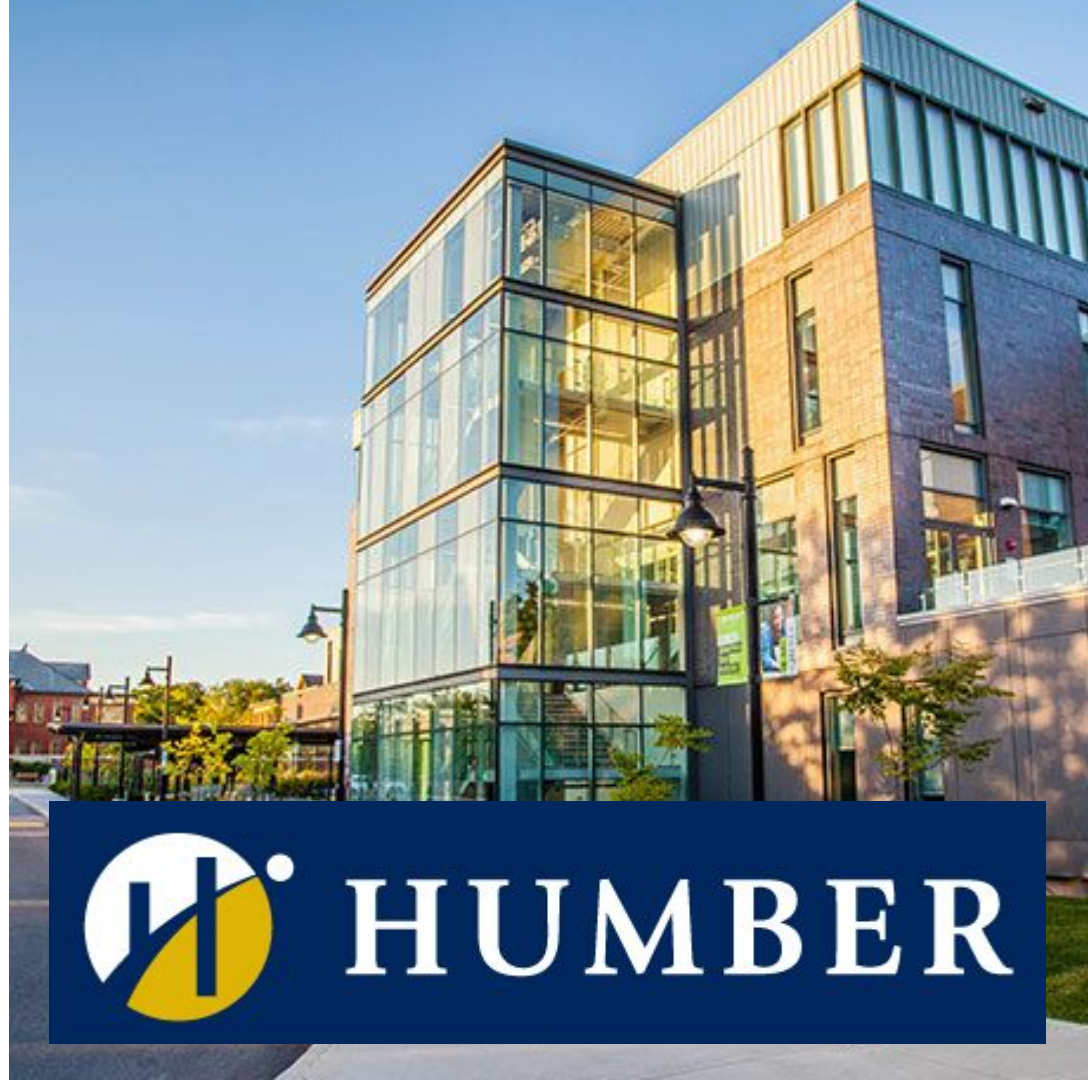# Adam Thomas

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Motorized LightHouse
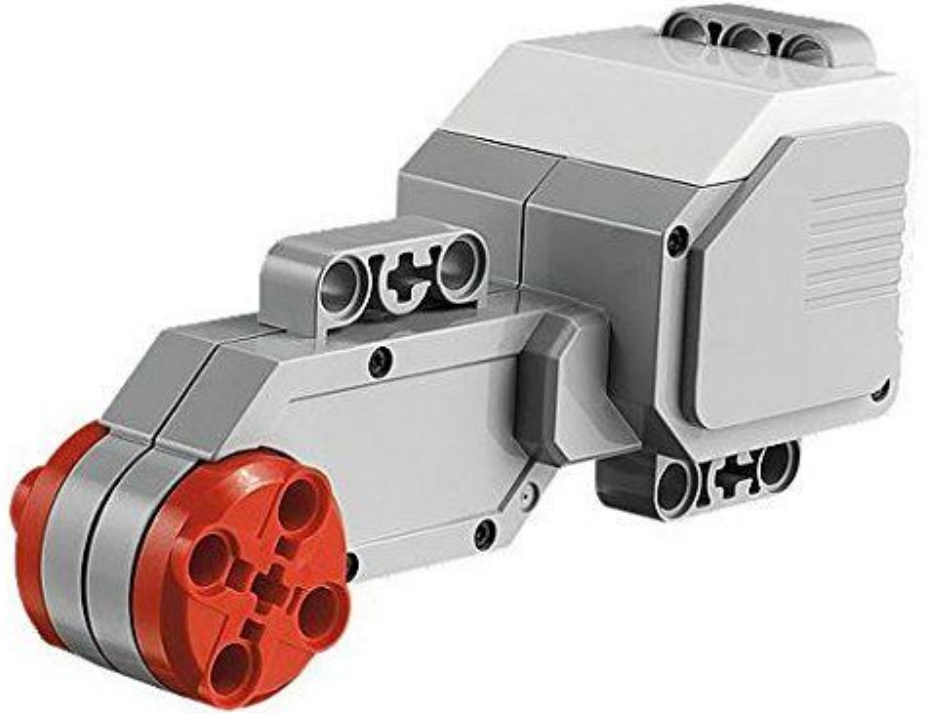
Motorized Lighthouse

Lighthouse
Set #21335

Module Description

The light for the lighthouse can be turned on.
This module will turn on the light and spin it 360
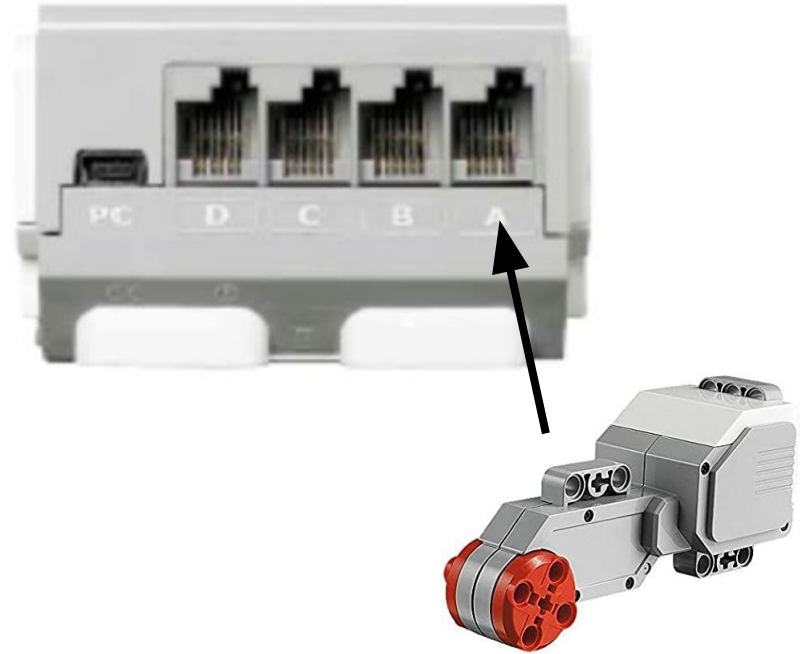degrees every 5 minutes. It will run for 5 minutes

Sensors and Motors

The only output port will be attached to an EV3 servo motor.

Ports

Motorized Lighthouse will require one output port on an EV3 hub to connect a motor.

Variables/Settings

Status: Can be set to "on" or "off". When on The light will turn on and rotate 360 degrees

Interval can be changed.

```
1   {
2       "status": "on",
3       "interval", 5
4
5   }
```

IOT Loop

```
While True

   If status == "on"

      If counter == 0
         Start motor clockwise
         Turn light on


      Else If counter == 5
         Stop motor
         Turn light off

      Else If counter == 10
         counter = 0

         //restart loop
```