

```
#include <Controllino.h>
```

```
// the setup function runs once when you press reset (CONTROLLINO RST button)  
or connect the CONTROLLINO to the PC
```

```
void setup() {  
  // initialize all used digital output pins as outputs  
  pinMode(CONTROLLINO_D3, OUTPUT); //ON  
  pinMode(CONTROLLINO_D5, OUTPUT); //SET  
  pinMode(CONTROLLINO_D6, OUTPUT); //A-PHASE  
}
```

```
// the loop function runs over and over again forever  
void loop() {
```

```
  int compteur=0;  
  int iteration=0;
```

```
  int  
  pause[]={4,6,8,10,12,14,16,18,20,30,40,50,100,200,300,400,500,600,700,800,900,1  
000,2000,3000,4000,5000,7500,10000,20000,30000};
```

```
  digitalWrite(CONTROLLINO_D3, HIGH); // Allume le moteur  
  digitalWrite(CONTROLLINO_D5, LOW); // Vitesse max  
  digitalWrite(CONTROLLINO_D6, LOW); // Sort le verin entierement  
  delay(1000);  
  compteur++;  
  digitalWrite(CONTROLLINO_D6, HIGH); // Rentre le verin a environ 2/3  
  delay(500);  
  compteur++;
```

```
// Fait bouger le verin
```

```
while (compteur<30001)  
{  
  digitalWrite(CONTROLLINO_D6,LOW);  
  delay(82);  
  compteur++;  
  digitalWrite(CONTROLLINO_D6, HIGH);  
  delay(80);  
  compteur++;  
  if (compteur==pause[iteration])  
  {  
    digitalWrite(CONTROLLINO_D6, LOW);  
    delay(1000);  
    digitalWrite(CONTROLLINO_D3, LOW);  
    delay(10000);  
    digitalWrite(CONTROLLINO_D3, HIGH);  
    iteration++;  
  }  
}
```

```
}  
  
digitalWrite(CONTROLLINO_D6, LOW); //Sort le verin entierement  
delay(1000);  
digitalWrite(CONTROLLINO_D3, LOW); // Arrete le moteur  
delay(1000000000); // Temps long pour couper manuellement l'alimentation  
  
}
```