Readme

Installation instructions:

Soft-off-digital:

Before run the soft-off-digital files in our raspberry pi we need some libraries.

- python3
- pip3
- pyserial

python 3 is already installed in our distro. So we have to install it

```
sudo apt-get update
sudo apt-get install python3-pip
sudo pip3 install pyserial
```

This time we have two different files one is written in bash and another is written in Python 3, called soft-off-digital.sh and soft-off-digital.py respectly.

Serial port

then we have to activate the Serial port **/dev/ttyS0**

```
sudo raspi-config
```

Go to

- interfacing options
    - Serial

it asks if we want to use the Serial port to control the terminal we select

NO

and if we want the serial port hardware enabled we select

YES

the terminal will show

```
The serial login shel is disabled
The serial interfaces is enabled
```

Go to finish and reboot the raspberry pi.

moving files

Soft off digital.sh is installed in **/etc/init.d/** to be opened in boot and execute the soft-off-digital.py installed in **/usr/local/bin/**

To do this we have to change some permissions and move them to the right path

```
sudo mv soft-off-digital.py /usr/local/bin/
sudo chmod +x /usr/local/bin/soft-off-digital.py
```

and:

```
sudo mv soft-off-digital.sh /etc/init.d/
sudo chmod +x /etc/init.d/soft-off-digital.sh
sudo update-rc.d soft-off-digital.sh defaults
```

so now we can start or stop the daemon just typing in our terminal:

```
sudo /etc/init.d/soft-off-digital.sh start
```

and kill the daemon with

```
sudo /etc/init.d/soft-off-digital.sh stop
```