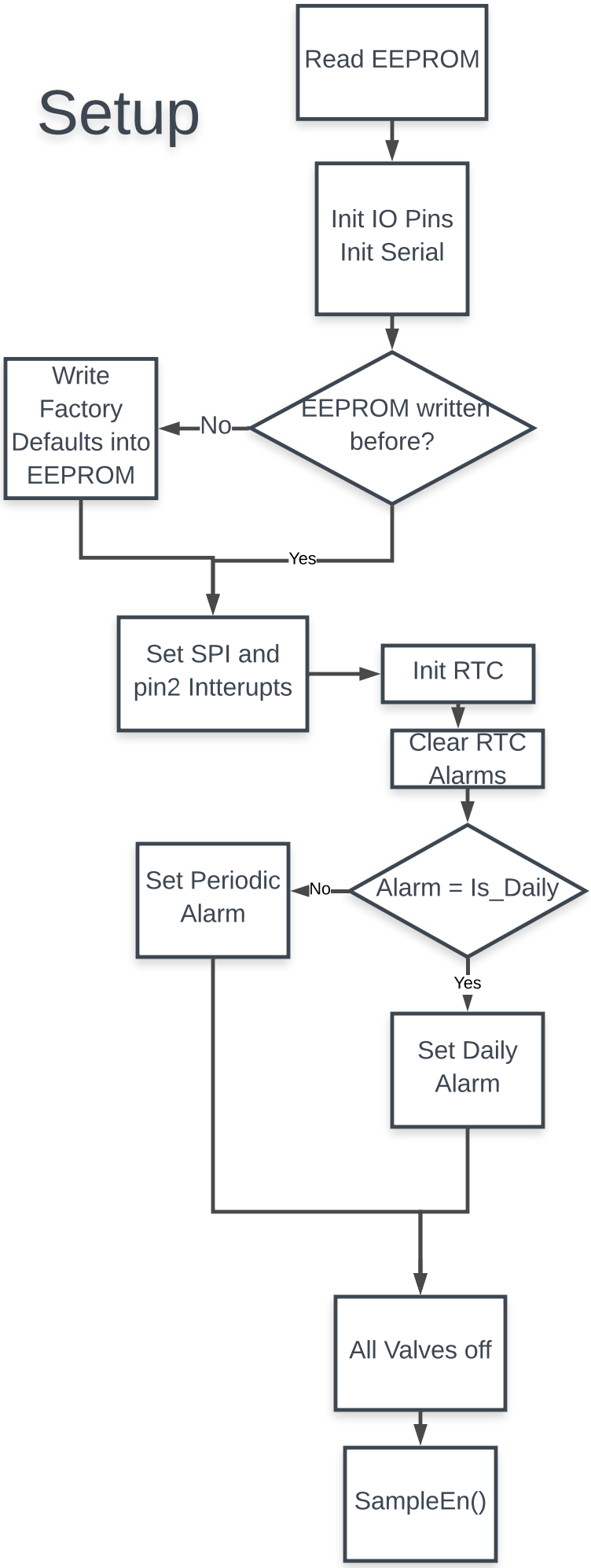
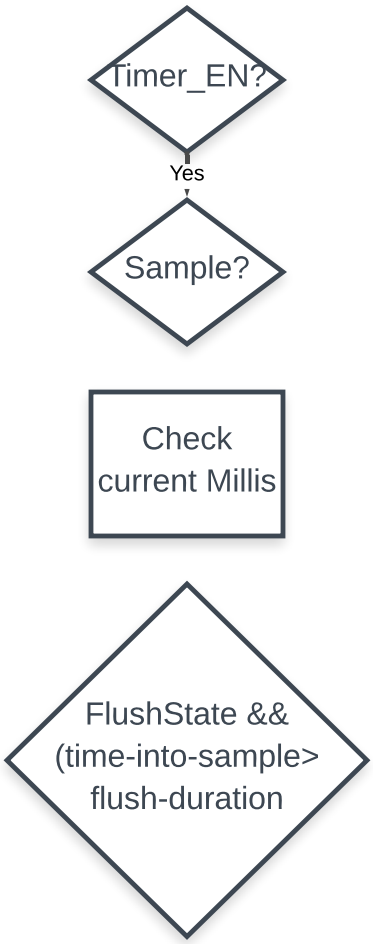
Setup


Read EEPROM
Init IO Pins
Init Serial
EEPROM written before?
No
Write Factory Defaults into EEPROM
Yes
Set SPI and pin2 Intterupts
Init RTC
Clear RTC Alarms
Alarm = Is_Daily
No
Set Periodic Alarm
Yes
Set Daily Alarm
All Valves off
SampleEn()


Timer_EN?
Yes
Sample?
Check
current Millis
FlushState &&
(time-into-sample>
flush-duration