

```

#CONFIG
__CONFIG _CONFIG1, _INTRC_IO & _PWRTE_ON & _MCLR_OFF & _LVP_OFF
#endconfig

DEFINE OSC 8
OSCCON.4 = 1
OSCCON.5 = 1
OSCCON.6 = 1

ANSEL = 0

'Define ADCIN parameters
'Set number of bits in result
DEFINE ADC_BITS 10
'Set clock source (3==rc)
DEFINE ADC_CLOCK 3
'Set sampling time in microseconds
DEFINE ADC_SAMPLEUS 10
adcVar VAR word 'Create variable to store result

'Set PORTA to all input
TRISA = %11111111

'Set up ADCON1
ADCON1 = %10000010

Pause 500 'Wait 0.5 seconds

main:
  ADCIN 0, adcVar 'Read channel 0
  If (adcVar<=565) Then 'If pressure is low
  High PORTB.0 'Turn on compressor
  endif
  if (adcVar>=818) then
  Low PORTB.0
  Endif
  Pause 10 'Wait 0.01 seconds

Goto main 'Do loop forever

End

```