

'-----Title-----

' File.....keyless_entry.pbp
' Started....6/20/06

'-----Initialization-----

```
OSCCON = %01101010      'Sets internal oscillator
TRISB = %00001100      'Sets PortB pins 2,3 to inputs
                        'the rest to outputs
PORTB = 0               'Sets PortB pins to low
```

```
start:
  IF portb.2 = 1 THEN GOTO lock      'If left button is pressed goto
                                     'subroutine lock
  IF portb.3 = 1 THEN GOTO unlock    'If right button is pressed goto
                                     'subroutine unlock
  GOTO start
```

```
lock:                          'Subroutine lock
  SEROUT 7,4,[68,1]             'Transmits the serial IR signal
                                '"lock" to door. The first byte is
                                '68 and the last is 1.
                                'Bi-colored LED is red
  HIGH 4
  LOW 5
  SEROUT 7,4,[68,1]             'Transmits "lock" again
  SEROUT 7,4,[68,1]             'Transmits "lock" again
  PAUSE 100                     'Pauses for 100 miliseconds
  GOTO start
```

```
unlock:                          'Subroutine unlock
  SEROUT 7,4,[68,2]             'Transmits the serial IR signal
                                '"unlock" to door. The first byte
                                'is 68 and the last is 2.
                                'Bi-colored LED is green
  HIGH 5
  LOW 4
  SEROUT 7,4,[68,2]             'Transmits "unlock" again
  SEROUT 7,4,[68,2]             'Transmits "unlock" again
  PAUSE 100                     'Pauses for 100 miliseconds
  GOTO start
```