//include HC\_SR04 library

// This #include statement was automatically added by the Particle IDE.

#include <HC\_SR04.h>

int myled = D7;

int trigPin = D2;

int echoPin = D6;

HC\_SR04 ultrasonic = HC\_SR04 (trigPin, echoPin);

void setup() {

pinMode(myled, OUTPUT);

}

void loop() {

int Wave = ultrasonic.getDistanceCM();

if(Wave < 1)

{

Particle.publish("WAVE", "Present", PRIVATE );

digitalWrite(myled, HIGH);

}

else

{

Particle.publish("WAVE", "Absent", PRIVATE );

digitalWrite(myled, LOW);

}

delay(1000);

}