========================================================

Request/response command description:

with this message you can request data from a node

and you will get sensor data as return once

in the inject node below first 3 places are ID

of the node you want data from,

fourth is the command number request/response is command 0

so message structure for FF-K12 node would be

K120

========================================================

Continous response command description:

with this message you can request data from a node

and you will get sensor data as return continuously

with interval you've written

in the inject node below first 3 places are ID

of the node you want data from,

fourth is the command number request/response is command 1

fifth is what unit of measurement you want:

4 meaning miliseconds

3 meaning seconds

2 meaning minutes

1 meaning hours

and the last 2 are the time in meaning

05 would mean 5 units of measurement

and 305 at the end would mean 5 seconds

so message structure for FF-K12 node would be

K121305

which means node K12 will respond every 5 seconds

========================================================

Turn on/off sensors command description:

with this message you can turn on/off sensors on a node

open function node set sensors ON/OFF

in which you will see described in comments which parameters you can change

NOTE here, if the value you select here specifies only humidity sensor

to be turned on, any other sensor that is currently turned on, will be turned off when

you send this command

========================================================

Kill continuous response command description:

with this message you can kill continuous response you've started

with command 1

in the inject node below first 3 places are ID

of the node you want data from,¸

fourth is the command number kill continuous response is command 2

so message structure for FF-K12 node would be

K122

========================================================

Set outputs command description:

Open function node called "set outputs"

parameters you can change are:

node

LED1 //turns LED1 ON or OFF

LED2 //turns LED2 ON or OFF

LED3 //turns LED3 ON or OFF

p0\_15 //writes value to pin p0-15

p0\_27 //writes value to pin p0-27

========================================================

Set sensors ON/OFF:

/\*NOTE here, if the value you select here specifies only humidity sensor

to be turned on, any other sensor that is currently turned on, will be turned off when

you send this command\*/

var node = "K12"; //this is the node the command is being sent to

var lux = 1; // set to 1 if you want sensor to be on 0 for it to be off

var Rh = 1; // set to 1 if you want sensor to be on 0 for it to be off

var temp = 1; // set to 1 if you want sensor to be on 0 for it to be off

var mag = 1; // set to 1 if you want sensor to be on 0 for it to be off

var accel = 1; // set to 1 if you want sensor to be on 0 for it to be off

var gyro = 1; // set to 1 if you want sensor to be on 0 for it to be off

var sensors;

sensors = sensors | (lux << 0);

sensors = sensors | (Rh << 1);

sensors = sensors | (temp << 2);

sensors = sensors | (mag << 3);

sensors = sensors | (accel << 4);

sensors = sensors | (gyro << 5);

sensors = sensors | (1 << 6);

var char = String.fromCharCode(sensors);

msg.payload = "{\"cmd\":\"" + node + "4" + char + "\"}";

return msg;

========================================================

Set outputs:

var node = "K12"; //this is the node the command is being sent to

//if the node is called FF-K12 only write K12

var LED1 = 0; // set to 0 if you want LED1 to be on 1 for it to be off

var LED2 = 0; // set to 0 if you want LED2 to be on 1 for it to be off

var LED3 = 0; // set to 0 if you want LED3 to be on 1 for it to be off

var p0\_15 = 0; // set to 1 if you want output p0\_15 to be on 0 for it to be off

var p0\_27 = 0; // set to 1 if you want output p0\_27 to be on 0 for it to be off

var output;

output = output | (LED1 << 0);

output = output | (LED2 << 1);

output = output | (LED3 << 2);

output = output | (p0\_15 << 3);

output = output | (p0\_27 << 4);

output = output | (1 << 6);

//var char = String.fromCharCode(output + 33);

var char = String.fromCharCode(output);

msg.payload = "{\"cmd\":\"" + node + "3" + char + "\"}";

return msg;

//return char;

>>