```c
1   #ifndef DEFINES_H
2   #define DEFINES_H
3
4
5   //For OCI417 module
6   #define MAX485_DE 12
7   #define MAX485_RE_NEG 13
8
9   //ECU jibber jabber
10  #define ESTOP_BREAK 40
11  #define LED_PWR 22
12  #define TRACO_24VDC 23
13
14  //dashboard data
15  #define TEL_ADDR 0x03
16
17  //Values sent to dashboard readouts
18  #define REGRX "REGRX"        //Indicates telemetry module has new values
19
20  #define BL_FB "BL_FB"      //modbus Analog Input, feedback of blower
21  #define WP_FB "WP_FB"      //modbus Analog Input, water pump FB
22  #define BF_FB "BF_FB"      //modbus Analog Input, burner fuel feedback fcv134
23  #define SR_FB "SR_FB"      //modbus Analog Input, SR_FLOW fb
24
25  #define PT213 "PT213"      //modbus Analog Input, Water Pressure
26  #define PT318 "PT318"      //modbus Analog input hx406 output pressure
27  #define PT420 "PT420"      //modbus Analog input steam ejector pressure
28  #define PT304 "PT304"      //modbus Analog input twv308 input pressure
29
30  #define TT142 "TT142"      //modbus Analog Input, TT142_SR_FUEL
31  #define TT301 "TT301"      //modbus Analog Input, TT301_HX406_STEAM_OUT
32  #define TT303 "TT303"      //modbus Analog Input, TT303_HX504_STEAM_OUT
33  #define TT306 "TT306"      //modbus Analog Input, TT306_EJECTOR_STEAM_IN
34  #define TT313 "TT313"      //modbus Analog Input, TT313_HX402_STEAM_OUT
35  #define TT319 "TT319"      //modbus Analog Input, TT319_HX402_STEAM_SYSTEM
36  #define TT407 "TT407"      //modbus Analog Input, TT407_STEAM_REFORMER_OUT_LREF
37  #define TT408 "TT408"      //modbus Analog Input, TT408_HTS_IN_LREF
38  #define TT410 "TT410"      //modbus Analog Input, TT410_HTS_OUT_LREF
39  #define TT411 "TT411"      //modbus Analog Input, TT411_FPZ_OUT_LREF
40  #define TT430 "tt430"      //modbus Analog Input, TT430_SMR_TUBES_INLET
41  #define TT511 "TT511"      //modbus Analog Input, TT511_SILICON_CARBIDE_OUT
42  #define TT512 "TT512"      //modbus Analog Input, TT512_SILICON_CARBIDE_OUT
43  #define TT513 "TT513"      //modbus Analog Input, TT513_HX504_IN
44  #define TT514 "TT514"      //modbus Analog Input, TT514_HX504_OUT
45  #define TT441 "TT441"      //modbus Analog Input, TT441_SMR_TUBE1_OUT
46  #define TT442 "TT442"      //modbus Analog Input, TT442_SMR_TUBE2_OUT
47  #define TT443 "TT443"      //modbus Analog Input, TT443_SMR_TUBE3_OUT
48  #define TT444 "TT444"      //modbus Analog Input, TT444_SMR_TUBE4_OUT
49  #define TT445 "TT445"      //modbus Analog Input, TT445_SMR_TUBE5_OUT
50  #define TT446 "TT446"      //modbus Analog Input, TT446_SMR_TUBE6_OUT
51  #define TT447 "TT447"      //modbus Analog Input, TT447_SMR_TUBE7_OUT
52  #define TT448 "TT448"      //modbus Analog Input, TT448_SMR_TUBE8_OUT
53  #define TT449 "TT449"      //modbus Analog Input, TT449_SMR_TUBE9_OUT
54  #define OCIIN "OCIIN"      //modbus rs485, OCI_INPUT_STATUS_WORD
55  #define OCIOT "OCIOT"      //modbus rs485,OCI_OUTPUT_STATUS_WORD
56
57  //values sent from dashboard //configurables
58  #define SHTMR "SHTMR"      //configurable timer, SUPERHEAT_TIMER
59  #define BOTMR "BITMR"      //configurable timer, BMM_OFF_TIMER
60  #define BSTMR "BSTMR"      //configurable timer, BMM_START_TIMER
61  #define BPTMR "BPTMR"      //configurable timer, BMM_PURGE_TIMER
62  #define BCTMR "BCTMR"      //configurable timer, BMM_IGNITION_TIMER
63  #define BRTMR "BRTMR"      //configurable timer, BURNER_RAMP_TIMER
64  #define BETMR "BETMR"      //configurable timer, BURNER_REACH_END_TIMER
65  #define SGTMR "SGTMR"      //configurable timer, STEAM_GENERATION_TIMER
66  #define SPTMR "SPTMR"      //configurable timer, STEAM_AT_170PSI_TIMER
67  #define SRTMR "SRTMR"      //configurable timer, OPEN_SR_FUEL_TIMER
68  #define BLPSD "BLPSD"      //configurable value, BLOWER_PURGE_SPEED
69  #define BLISD "BLISD"      //configurable value, BLOWER_IGNITION_SPEED
70  #define BLEND "BLEND"      //configurable value, BLOWER_TOP_SPEED
71  #define BLTSD "BLTSD"      //configurable value, BLOWER_TOP_SPEED
72  #define WP10G "WP10G"      //configurable value, RO_PUMP_AT_10_GRAMS_PER_SEC
73  #define WPTSD "WPTSD"      //configurable value, RO_PUMP_TOP_SPEED
74  #define F205S "F205S"      //configurable value, FCV205_AT_35_PERCENT
```

```c
75    #define F205E "F205E"    //configurable value, FCV205_AT_50_PERCENT
76    #define BFIGN "BFIGN"    //configurable value, FCV134_BURNER_FUEL_FLOW_IGNITION
77    #define BFRED "BFRED"    //configurable value, FCV134_BURNER_FUEL_FLOW_RAMP_END
78    #define SRFST "SRFST"    //configurable value, FCV141_SR_FUEL_START_PERCENT
79    #define FTDIA "FTDIA"    //configurable value, FT132_PIPE_DIA_CONV
80    #define FTGPS "FTGPS"    //configurable value, FT132_COUNTS_TO_G_PER_SEC
81    #define FT4MA "FT4MA"    //configurable value, FT132_4MA_OFFSET
82    #define BTRED "BTRED"    //configurable value, BURNER_TEMP_RAMP_END
83    #define BTCOV "BTCOV"    //configurable value, BURNER_TEMP_CROSSOVER
84    #define SRFCT "SRFCT"    //configurable value, SR_FUEL_CUT
85
86    #endif
```