



Advanced Service Information

DCOM Configuration Mode – change communication parameters

Purpose:

A good preparation is a good start. This document will give all the information how to enter the configuration mode and how to change the communication parameters.

Applicable models:

Daikin DCOM modules

- DCOM-LT-IO
- DCOM-LT-MB

DCOM requires minimum Firmware V0.1.212

**DCOM Configuration Mode –
change communication parameters****Instructions:****To Enter Configuration Mode**

Within one minute of power up

DIP Switches 1 to 8 = OFF.

Then set the following sequence, with less than 5 seconds between each step

Step 1 DIP Switch 1 OFF → ON → OFF

then

Step 2 DIP Switch 1 OFF→ ON→ OFF

then

Step 3 DIP Switch 1 OFF→ ON→ OFF

Step 4 Leds all flash on/off YELLOW for 5 seconds

Configuration Mode is now active.

Status LED flashes Red/Green at 1 second frequency. When Status LED flashes Red/Green any configuration register can be read/written. After 5 minutes in configuration mode the device will reset and revert to normal operation.

Configuration Mode Operation

Configuration mode allows a set of 8 Registers to be accessed, the value of the registers to be displayed and the value of the register to be modified.

- 1) DIP SW 1,2,3 Select the Register to be accessed
- 2) ACNET and RS485 LEDs display color pattern that indicates setting of register
- 3) DIP SW 5,6,7,8 allow a new register value to be selected
- 4) DIP SW 4 stores the new register value by operating the switch OFF → ON → OFF

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Registers

DIP 1,2,3 are Register Address 000 to 111





Register Name	Register Address	DIP SW 1	DIP SW 2	DIP SW 3
SPARE	000	0	0	0
RS485 Baud Rate	001	0	0	1
RS485 Parity	010	0	1	0
SPARE	011	0	1	1
SPARE	100	1	0	0
SPARE	101	1	0	1
SPARE	110	1	1	0
Device Functions	111	1	1	1

















Write Function

Toggle DIP 4 to write the value to the registers

DIP 4 OFF->ON->OFF = Write Register

LED Patterns

Symbol	Colour
	OFF
	RED
	GREEN
	YELLOW

Register 001	RS 485 Baud Rate		
Baud Rate	Register Value DIP 5,6,7,8	ACNET LED	RS485 LED
DEFAULT:9600	1111		
1200	0001		
2400	0010		
4800	0011		
9600	0100		
19200	0101		
38400	0110		
57600	0111		

All other values are DEFAULT = 9600



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Register 010 RS 485 Parity			
Parity	Register Value DIP 5,6,7,8	ACNET LED	RS485 LED
DEFAULT:NONE	1111		
NONE	0001		
EVEN	0010		
ODD	0011		

All other values are DEFAULT = NONE

Register 111 Device Function			
Parity	Register Value DIP 5,6,7,8	ACNET LED	RS485 LED
Configuration Register Factory Reset	1111		

Writing value 1111 to this register resets all configuration registers to their DEFAULT values. Successful Factory Reset is signalled with LEDs all flashing yellow for 5 seconds.

Change log:

Date	Version	Description
25/04/2019	-	Original document
21/04/2021	Rev 1	Correction for Register Value DIP 4,5,6,7 → DIP 5,6,7,8