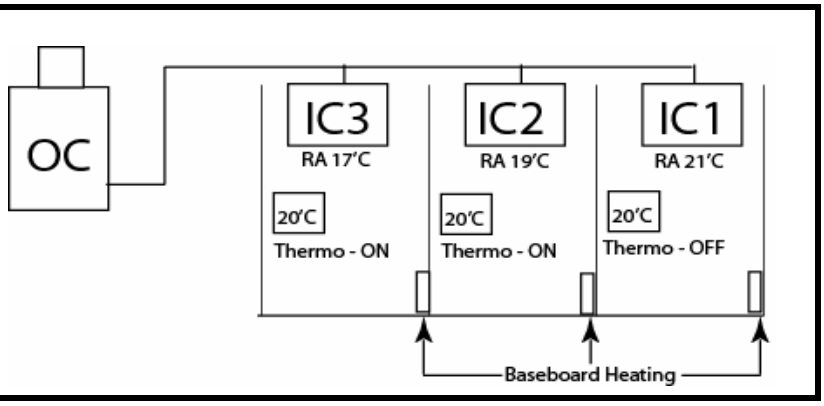
PAC-YU25HT-F - City Multi Primary Heating ON/OFF Control Set-up

4.) **Determine Fan Airflow setting during Indoor Thermo OFF conditions:**

4a.) These settings are done within Indoor DIPSW1-7 and DIPSW1-8, see chart below for options.

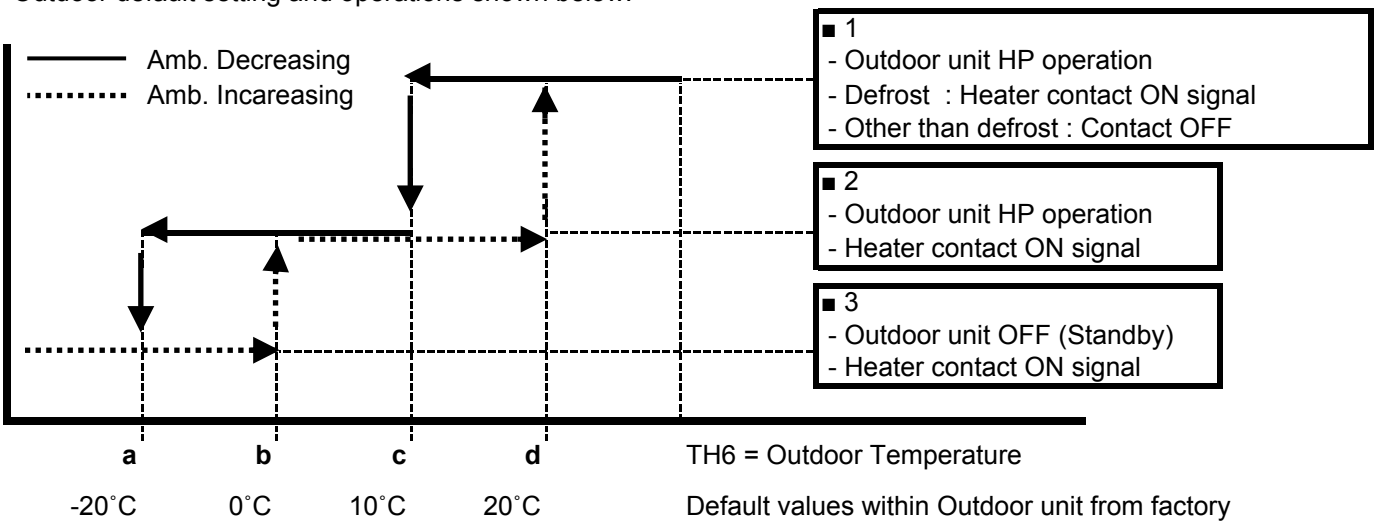
4b.) Recommended SW1-7 OFF and SW1-8 ON will determine airflow based on "Setting on the remote controller".

Auxiliary Heating Signal		Fan speed setting	Fan speed setting
Thermo Condition		OFF	ON
SW1-7	SW1-8		
OFF	OFF	Very low	Setting on remote controller
ON	OFF	Low	
OFF	ON	Setting on remote controller	
ON	ON	Stopped	



5.) **Setting Outdoor unit and Auxiliary heat switch over temperatures.**
When the DIPSW 5-2 is set to "ON", the outdoor unit and the contact output operates as shown below.

5a.) Outdoor default setting and operations shown below:



When the set temperature ranges overlap, the previously set pattern (1,2 or 3) has a priority.
At default, the pattern 1 has the highest priority, 2 the second and then 3.

5b.) Based on above chart and default values listed the sequence of operation on "On Ambient Decrease"
1 = > 10˚C the Outdoor unit runs in HP mode.
2 = 10˚C to -20˚C the Outdoor unit runs in HP mode with Auxiliary heating.
3 = < -20˚C Auxiliary heating only (Outdoor unit is OFF).

5c.) Based on above chart and default values listed the sequence of operation on " On Ambient Increase"
3 = < -20˚C Auxiliary heating only (Outdoor unit is OFF).
2 = > 0˚C Auxiliary heating with Outdoor unit in HP mode.
1 = > 20˚C Outdoor unit in HP mode only.

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5d.) **Setting for a, b, c and d (switchover temperatures) using the Maintenance Tool Software.**

Refer to page 5 : "To set a,b,c and d, setting through Maintenance Tool Interface and Software".

[Sending Command] 0518 ●● ○○○○ ▲▲▲▲ ΔΔΔΔ ■■■■

●● : Setting of "˚F" → 01 Setting of ˚C → 00

○○○○ : Setting of "a" (To set "a" to 20, set it to 0020
To set "a" to -20, set it to 8020. To set "a" to 0, set it to 0000)

▲▲▲▲ : Setting of "b"

ΔΔΔΔ : Setting of "c"

■ ■ ■ ■ : Setting of "d"

[Retrieval of data command values stored within Outdoor unit]

SENDING : 2518 ●● [●●: Setting of "˚F" → 01 Setting of ˚C → 00]

ANSWER : 2598 ●● ○○○○ ▲▲▲▲ ΔΔΔΔ ■■■■

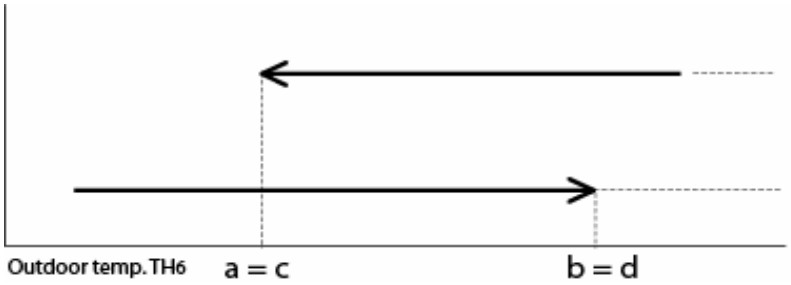
(The meaning of symbols in the sequence above is the same as that of the send command)

* Default value: a = -20˚C [-4F], b = 0˚C [32F], c = 10˚C [50F], d = 20˚C [68F]

* Setting range: -20˚C ≤a < b < c < d ≤+40˚C (a ≠ c, b≠ d), ΔT = 1˚C

[In case of "a = c, b = d", -20˚C ≤a < d ≤+40˚C, ΔT= 1˚C]

*** In case of "a = c, c = d", the pattern 2 will not exist as shown below.**

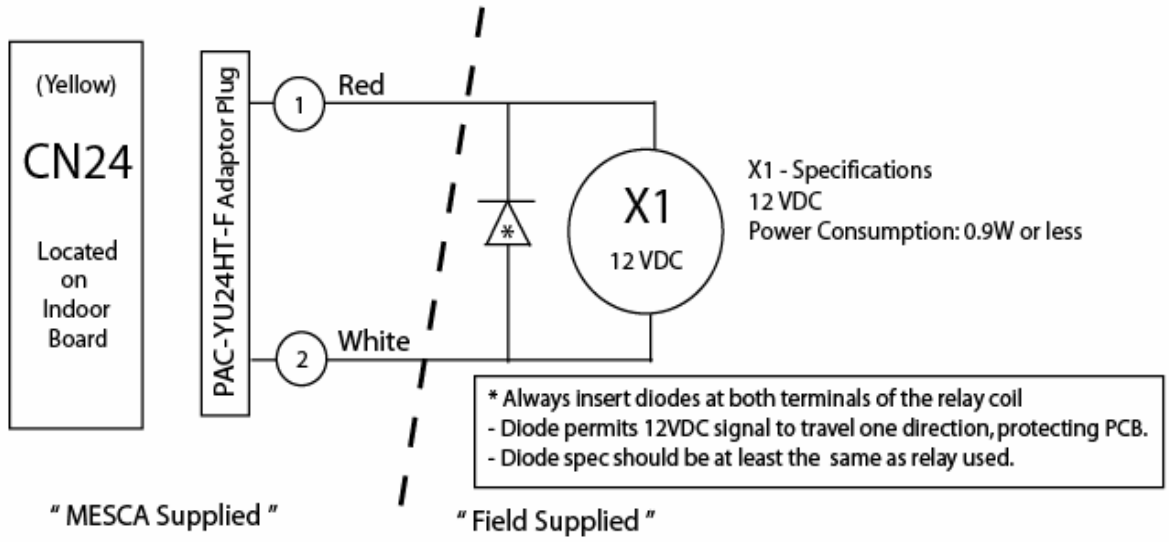


■ 1
- Outdoor unit HP operation
- During defrost operation:
- Contact ON signal
- Other than defrost operation
- Contact OFF signal

■ 3
- Outdoor unit HP operation
- Contact ON signal

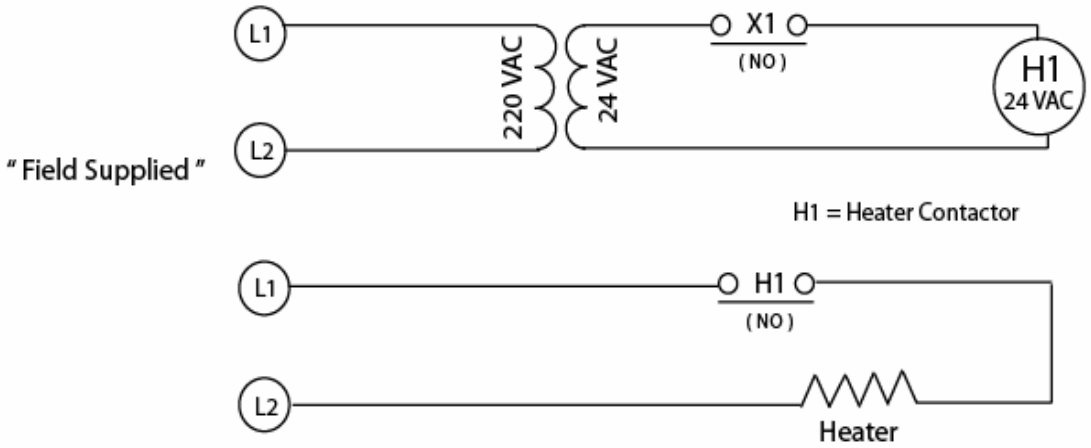
PAC-YU25HT-F - City Multi Primary Heating ON/OFF Control Set-up

PAC-YU24HT-F - City Multi Primary Heating ON/OFF Control Wiring

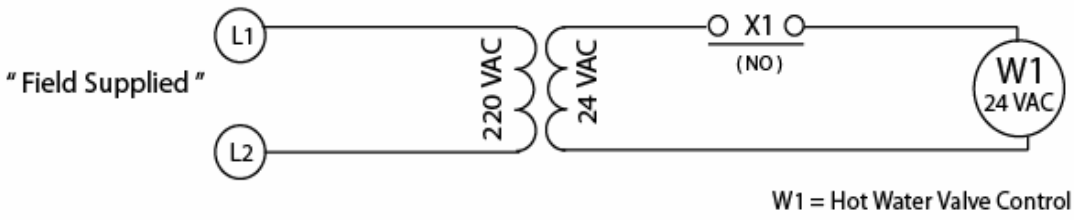


The length of the electrical wiring for the PAC-YU24HT-F is 2 meters (6.5ft)
To extent this length, use sheathed vinyl cord or cable, type : CCV, CVS, CPEV or Equivalent.
Wire size : 0.5mm2 ~ 1.25mm2 (stranded 16 to 22 AWG). Keep wire extensions to within 10 meters (32ft)
Excessive wire length could cause improper operation.

City Multi Primary Electric Heating ON/OFF Control Wiring



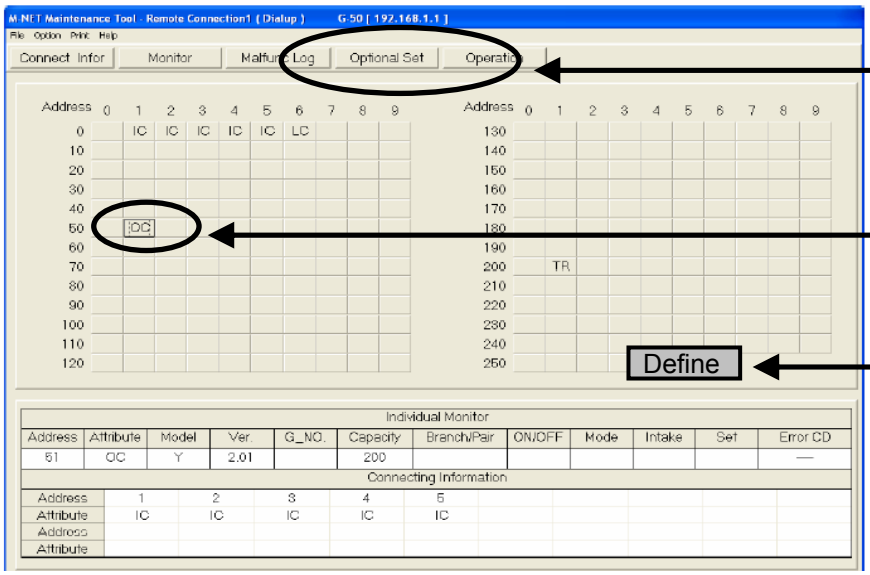
City Multi Primary Hot Water ON/OFF Control Wiring



PAC-YU25HT-F - City Multi Primary Heating ON/OFF Control Set-up

To set a,b,c and d, setting throught Maintenance Tool Interface and Software.

Main Screen

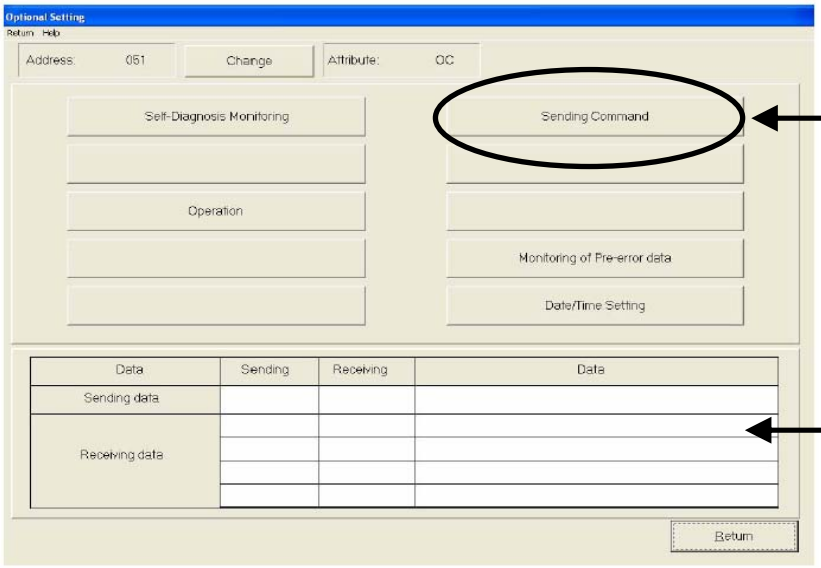


Step # 1
Click "Option Set"

Step # 2
Select desired Outdoor unit

Step # 3
Select Define for next screen

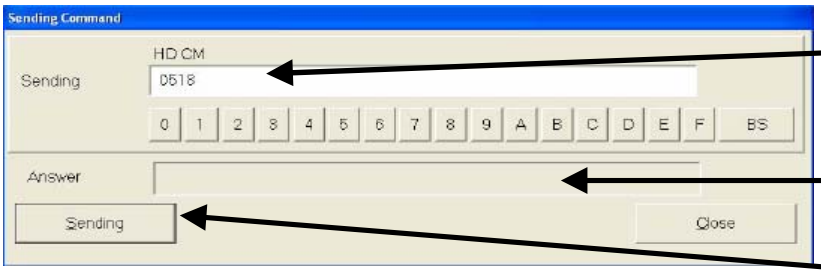
Option Setting Screen



Step # 4
Select "Sending Command".

Additional data can be viewed.

Setting Command Screen



Step # 5
Input desired command required.

Step # 7
Verifiy correct command entered.

Step # 6
Send command.

PAC-YU25HT Additional Programming Examples

Example #1

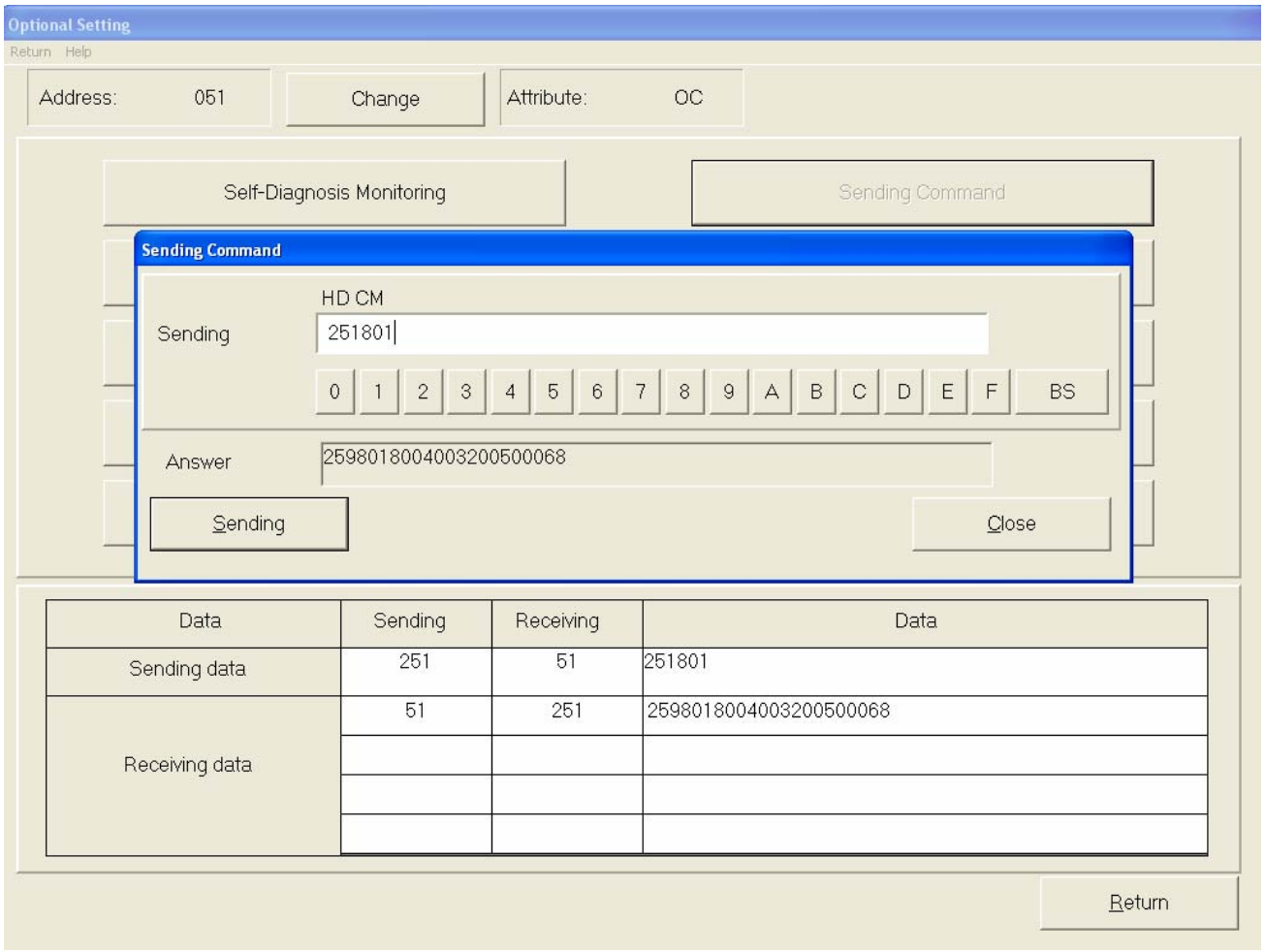
I arrive at the site and need to know the current default setting presently stored in the outdoor at this time.

Data below already provided in "PAC-YU25HT_MESCA setup procedures".

[Retrieval of data command values stored within Outdoor unit]

SENDING : 2518 ●● [●●: Setting of "°F" → 01 Setting of °C → 00]

Screen shot of code being entered and reply from the system shown below.



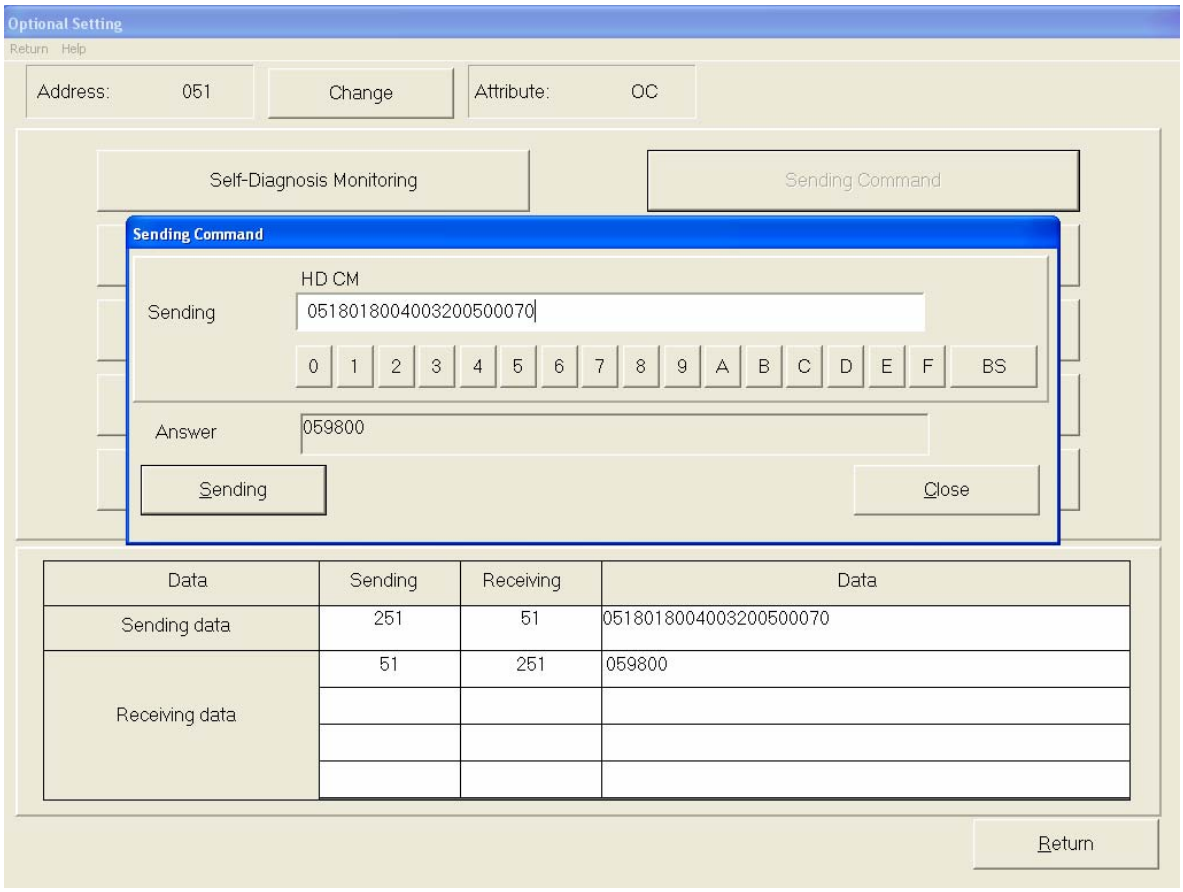
Example # 2

I now need to change default setting listed in Example 1:“0068 to 0070”(last value listed)

Data below already provided in “PAC-YU25-HT_MESCA setup procedures”.

[Sending Command] 0518 ●● ○○○○ ▲▲▲▲ ΔΔΔΔ ■■■■

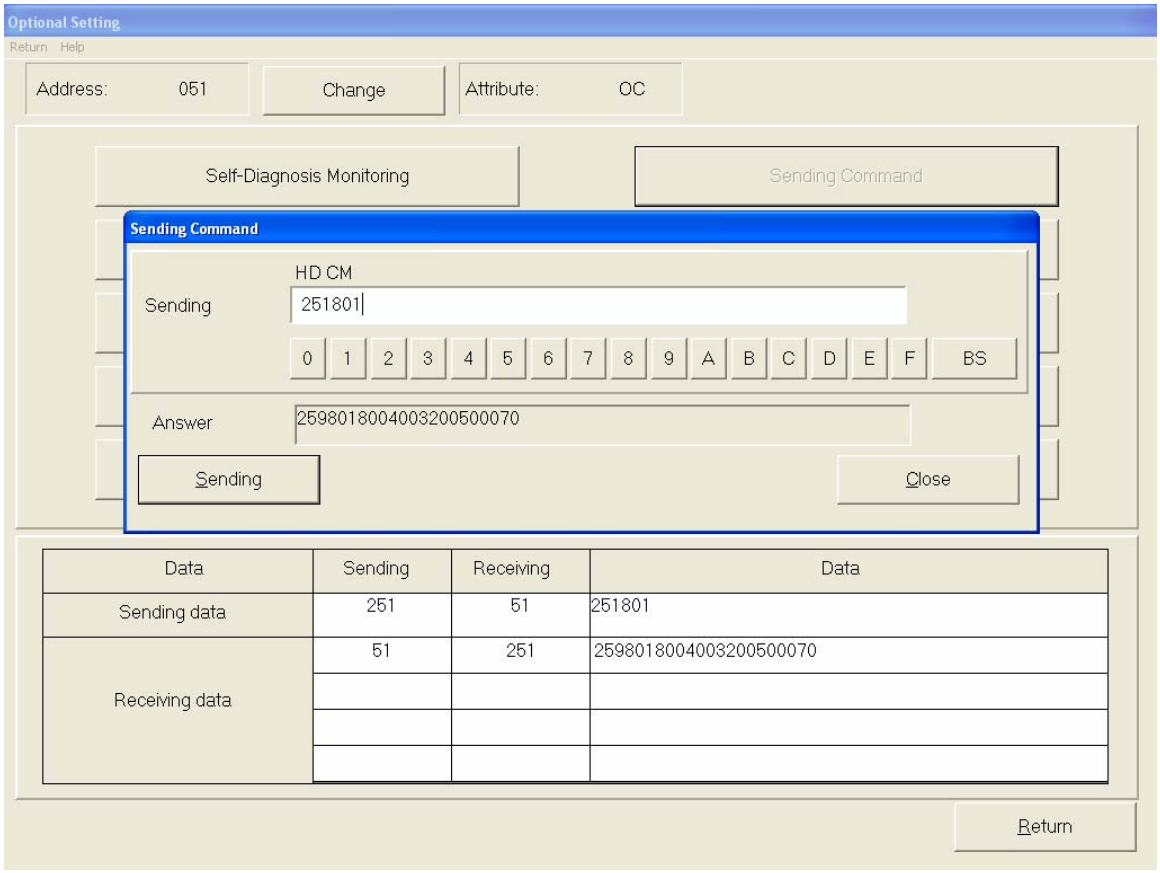
Screen shot of code being entered and reply from the system shown below.



Example #3

I now need to verify the value has been changed properly.

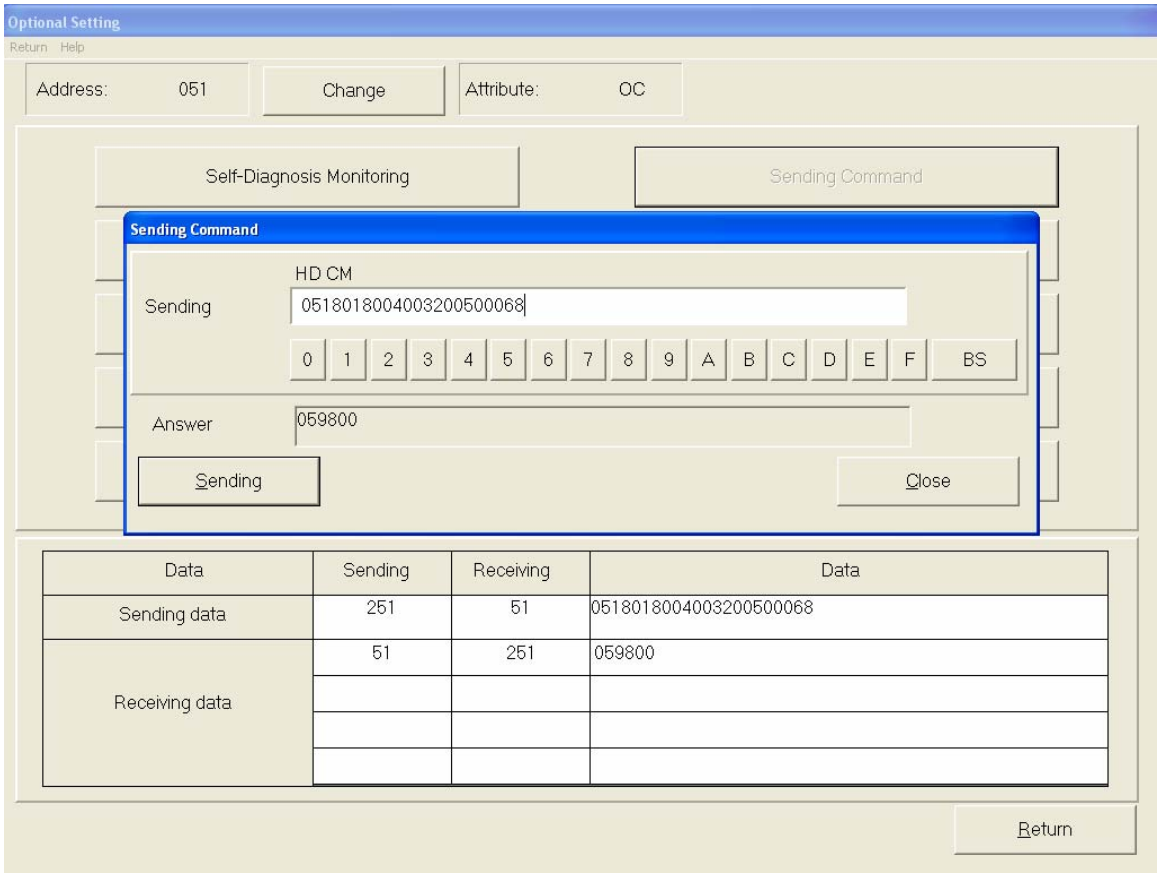
Screen shot of code being entered and reply from the system shown below.



Example # 4

I now wish to change value back to “0068”

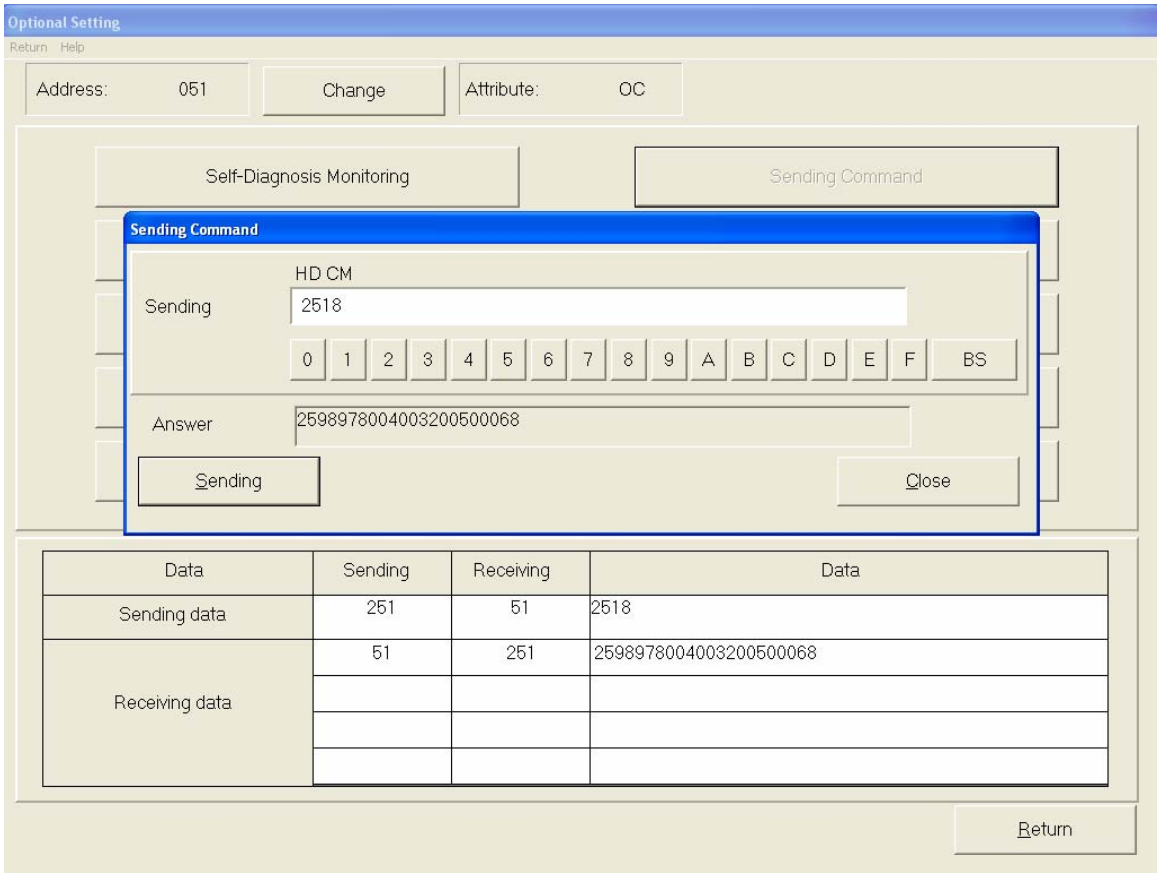
Screen shot of code being entered and reply from the system shown below.



Example #5

I now need to verify the value has been changed properly.

Screen shot of code being entered and reply from the system shown below.



3.15 Setting the Values for Indoor unit Functions

*** Features**

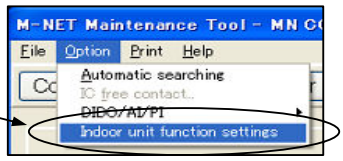
- The preset values for each function of the connected indoor units can be displayed.
- The preset values for each function of the connected indoor units can be set or changed.

NOTE:
The function mentioned here is not available to the models that do not support this function.

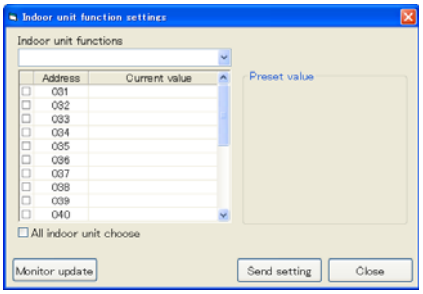
3.15.1 Start-up

(1) Start-up sequence

a) Click **[Option (O)]** of the menubar in the **[On-Line Main]** Screen, and click **[Indoor unit function settings]** of the submenu.



b) The **[Indoor unit function settings]** screen is displayed.

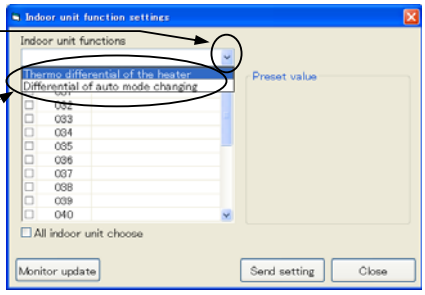


3.15.2 Monitoring the preset value

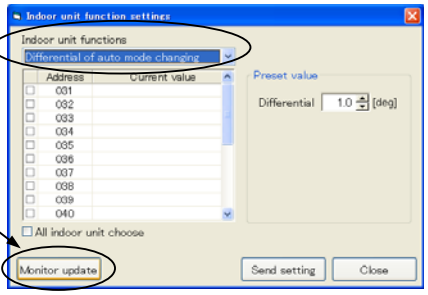
(1) Select the function whose preset value is to be monitored from the list of **[Indoor unit functions]**.

a) Click **[▼]** next to **[Indoor unit functions]**.

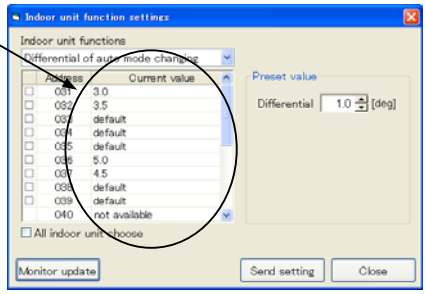
b) Select the desired function from the list of functions that appears.



c) The selected function will appear under **[Indoor unit functions]**.



(2) Click the **[Monitor update]** button.
The current data for the selected function will be collected from all indoor units, and the results will appear in the **[Current value]** field.



・Values that may appear in the **[Cuurent value]** field
(Example of displayed value.)

Displayed value	Description
1.0～5.0	Current preset value
Default	Default value
Not available	The selected function is not supported.

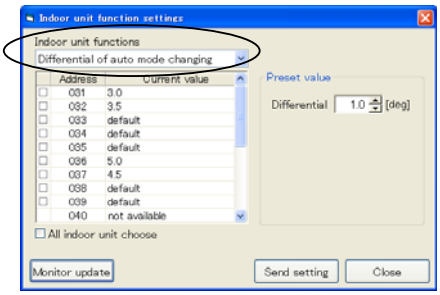
3.15.3 Setting/Changing the values

(1) Select the function whose preset value is to be set/changed from the list of **[Indoor unit functions]**. (Refer to **[3.15.2 (1)]**)

a) Click **[▼]** next to **[Indoor unit functions]**.

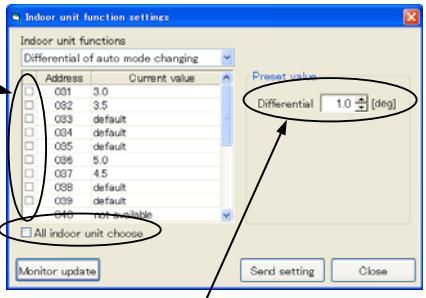
b) Select the desired function from the list of functions.

c) The selected function will appear under **[Indoor unit functions]**.



(2) **Click the check box next to the indoor units** whoose preset values are to be set/changed (multiple selection allowed).

When the check box next to **[All indoor unit choose]** is clicked, all indoor units are selected.



(3) Enter the values in the **[Differential]** field.

a) Click **[▲][▼]** next to the preset value to increase or decrease the value.

・Clicking **[▲]** increases the value in 0.1 increments.

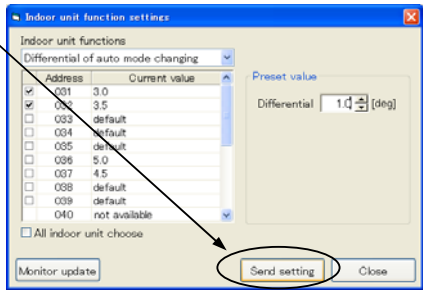
・Clicking **[▼]** decreases the value in 0.1 increments.

・The range of values available depends on the function.

(4) Click the **[Send setting]** button.

a) The changes made to the selected functions for the selected indoor unit(s) are reflected.

b) The current data for the selected function will be collected from all indoor units, and the results will appear in the **[Cuurent value]** field. (Refer to **[3.15.2 (2)]**)



3.15.4 Exiting the function

(1) Exiting sequence

a) Click the **[Close]** button to close the **[Indoor unit function settings]** screen to go back to the **[On-Line Main]** screen.