

# Mini IO Protocol

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### History

Version	Author	Edit date	Changes
1.0	Da	2013-10-13	MiniIO

SN	Title
<b>1</b>	<b>Commands Shared</b>
<b>1.1</b>	<i>Address Detection</i>
1.1.1	Detect address [0xE5F5]
1.1.2	Modify address [0xE5F7]
<b>1.2</b>	<i>Device Backup</i>
1.2.1	Request total QTY of packages from PC to target device [0xDC10]
1.2.2	Request Current Small Package from PC to target device [0xDC14]
<b>1.3</b>	<i>Device Restore</i>
1.3.1	Send Total QTY of Packages from PC to Target Device [0xDC16]
1.3.2	Send Small Package from PC to Target Device [0xDC1A]
<b>1.4</b>	<i>MAC Address</i>
1.4.1	Read MAC Address [0xF003]
1.4.2	Modify MAC address [0xF001]
<b>1.5</b>	Read device remark [0x000E]
<b>1.6</b>	Write device remark [0x0010]
<b>1.7</b>	Read firmware version [0xEEFD]
<b>1.8</b>	Modify subnetID and DeviceID through Mac address
<b>1.9</b>	To see whether the specify device is on line
<b>12</b>	<b>3 Z</b>

<b>1</b>	<b>Control And statue</b>
1.1	Read Dry Connector NC/NO & Current Status [0x012C]
1.2	Forwardly Report Status by 3Z [0xDC22]
<b>2</b>	<b>Settings</b>
2.1	Read type of button control[0xD205]
2.2	Write type of button control [0xD207]
2.3	Read work mode of Electronic button[0xD230]
2.4	Modify work mode of Electronic button[0xD232]
2.5	Read remark of button [0xD210]
2.6	Modify remark of button [0xD220]
2.7	Read relay time of mechanical switch [0xD218]
2.8	Write relay time of mechanical switch [0xD20C]
2.9	Read settings of specify command of specify button[0xD21C]
2.10	Write settings of specify command of specify button[0xD21E]
2.11	Read info of button enable or not[0x0128]
2.12	Modify info of button enable or not[0x12A]
2.13	Modify button enable or not by universal switch command[0xE01C]
2.14	Read remark of that specify security zone [0xD210]
2.15	Modify remark of that specify security zone [0xD220]
2.16	Read security configuration info for specify dry connector NO. [0x0124]
2.17	Modify security configuration for specify dry connector NO. [0x0126]

# 1 Commands Shared

## Address Detection

### 1.1.1 Detect Address

**Remark: Detect address by pressing broadcast address button**

**Supported Device: All modules which have broadcast button**

Operation Code: <b>0xE5F5</b>		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:		
<b>Additional Content</b>		
LEN of additional content:: 0 byte		

### Response

Operation Code: <b>0xE5F6</b>		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:		
<b>Additional Content</b>		
LEN of additional content::2 bytes		
Index of Additional Content	Remark	Value
0	Subnet ID of target device	1byte
1	Device ID of target device	1byte

## 1.1.2 Modify Address

**Supported Device: All modules which have address broadcast button**

Operation Code: <b>0xE5F7</b>		
Target Subnet ID:	Specify old subnet ID of target device	scope 1-254
Target Device ID:	Specify old device ID of target device	scope 1-254
<b>Additional Content</b>		
LEN of additional content::2 bytes		
Index of Additional Content	Remark	Value
0	New Subnet ID	1byte , scope 1-254
1	New Device ID	1byte , scope 1-254

### Response

Operation Code: <b>0xE5F8</b>		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:		
<b>Additional Content</b>		
LEN of additional content::1byte		
Index of Additional Content	Remark	Value

0	Flag for success or Failure	1byte Success =0xF8 Failure=0xF5
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## 1.2 Device Backup

### 1.2.1 Request Total QTY of packages from PC to target Device

**Supported Device: All G4 Modules**

Operation Code: <b>0xDC10</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : No		
<b>Additional Content</b>		
LEN of additional content:0 byte		

#### Response

Operation Code: <b>0xDC11</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content:3bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	High 8 bits of Total QTY of packages	Total QTY of Packages : 2 bytes
2	Low 8 bits Total QTY of packages	

## 1.2.2 Request Current Small Package from PC to target device

**Supported Device: all G4 modules**

Operation Code: <b>0xDC14</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is big UDP Package format :No		
<b>Additional Content</b>		
LEN of additional content::2 bytes		
Index of Additional Content	Remark	Value
0	High 8 bits of current Package No	Current Package No: 2 bytes
1	Low 8 bits of current Package No	

### Response

Operation Code: <b>0xDC15</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: MAX. 65 bytes (Max. Flash data is 59 bytes)		
Index of Additional Content	Remark	Value
0	High 8 bits of current package No	Current Package No : 2 bytes
1	low 8 bits of current package No	
2	Flag of external flash or inner memory	1byte external flash=1 inner memory=0
3	High 8 bits of flash Start Address	3 bytes
4	Medium 8 bits of flash Start Address	
5	Low 8 bits of flash Start Address	
6	Flash data start	
...		
64 (MAX.)	Flash data end	

## 1.3 Device Restore

### 1.3.1 Send Total QTY of Packages from PC to Target Device

**Supported Device: All Modules**

Operation Code: <b>0xDC16</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : No		
<b>Additional Content</b>		
LEN of additional content:2 bytes		
Index of Additional Content	Remark	Value
0	High 8 bits of total QTY of packages	Total QTY of packages : 2 bytes
1	Low 8 bits total QTY of packages	

#### Response

Operation Code: <b>0xDC17</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content:1byte		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5

### 1.3.2 Send Small Package from PC to Target Device

**Supported Device: All modules**

Operation Code: <b>0xDC1A</b>
-------------------------------

Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: MAX. 65 bytes (Max. Flash data is 59 bytes)		
Index of Additional Content	Remark	Value
0	High 8 bits of current package No	Current Package No : 2 bytes
1	low 8 bits of current package No	
2	Flag of external flash or inner memory	1byte external flash=1 inner memory=0
3	High 8 bits of flash start address	3 bytes
4	Medium 8 bits of flash Start Address	
5	Low 8 bits of flash start address	
6	Flash data start	
...		
64 (MAX.)	Flash data end	

### Response

Operation Code: <b>0xDC1B</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content::3bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	High 8 bits of current package No	Current Package No : 2 bytes
2	Low 8 bits of current package No	



## 1.4 MAC Address

### 1.4.1 Read MAC Address

**Supported Device: All modules**

Operation Code: <b>0xF003</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 0 byte		
Index of Additional Content	Remark	Value

#### Response

Operation Code: <b>0xF004</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content: If is not hotel devices ,8 bytes, more bytes no use		
Index of Additional Content	Remark	Value
0	MAC 1st byte	1byte
1	MAC 2nd byte	1byte
2	MAC 3rd byte	1byte
3	MAC 4th byte	1byte
4	MAC 5th byte	1byte
5	MAC 6th byte	1byte
6	MAC 7th byte	1byte
7	MAC 8th byte	1byte
8	1 <sup>st</sup> byte of Remark	20bytes, If the length of remark is less than 20, please use ASCII of space.
9	2 <sup>nd</sup> byte of remark	
10	3 <sup>rd</sup> byte of remark	
11	4 <sup>th</sup> byte of remark	

## 1.4.2 Modify MAC Address

**Supported Device: All modules**

Operation Code: <b>0xF001</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 8 bytes		
Index of Additional Content	Remark	Value
0	MAC 1st byte	1byte
1	MAC 2nd byte	1byte
2	MAC 3rd byte	1byte
3	MAC 4th byte	1byte
4	MAC 5th byte	1byte
5	MAC 6th byte	1byte
6	MAC 7th byte	1byte
7	MAC 8th byte	1byte

### Response

Operation Code: <b>0xF002</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
<b>Additional Content</b>		
LEN of additional content: 1 byte		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5

## 1.5 Read device remark

**Remark:**This operation has two ways to use

**1 Send to specify device to get its remark**

**2 Broadcast to the LAN to get there devices' remark on the LAN**

**Supported Device: All modules**

**1**

Operation Code: <b>0x000E</b>
-------------------------------

Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		

### Response

Operation Code: <b>0x000F</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
<b>Additional Content</b>		
LEN of additional content: 20 byte		
Index of Additional Content	Remark	Value
0	1 <sup>st</sup> byte of Remark	20bytes, If the length of remark is less than 20, please use ASCII of space.
1	2 <sup>nd</sup> byte of remark	
2	3 <sup>rd</sup> byte of remark	
3	4 <sup>th</sup> byte of remark	
4	5 <sup>th</sup> byte of remark	
5	6 <sup>th</sup> byte of remark	
6	7 <sup>th</sup> byte of remark	
7	8 <sup>th</sup> byte of remark	
8	9 <sup>th</sup> byte of remark	
9	10 <sup>th</sup> byte of remark	
10	11 <sup>th</sup> byte of remark	
11	12 <sup>th</sup> byte of remark	
12	13 <sup>th</sup> byte of remark	
13	14 <sup>th</sup> byte of remark	
14	15 <sup>th</sup> byte of remark	
15	16 <sup>th</sup> byte of remark	
16	17 <sup>th</sup> byte of remark	
17	18 <sup>th</sup> byte of remark	
18	19 <sup>th</sup> byte of remark	
19	20 <sup>th</sup> byte of remark	

### 2

Operation Code: <b>0x000E</b>		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:	Broadcast address	0xFF
Is Big UDP Package format : <b>No</b>		

### Response:

**Devices in the same LAN will relay a random number time to response ,  
Every one response as send to specify device**

## 1.6 Write device remark

Supported Device: All modules

Operation Code: <b>0x0010</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 20 byte		
Index of Additional Content	Remark	Value
0	1 <sup>st</sup> byte of Remark	20bytes, If the length of remark is less than 20, please use ASCII of space.
1	2 <sup>nd</sup> byte of remark	
2	3 <sup>rd</sup> byte of remark	
3	4 <sup>th</sup> byte of remark	
4	5 <sup>th</sup> byte of remark	
5	6 <sup>th</sup> byte of remark	
6	7 <sup>th</sup> byte of remark	
7	8 <sup>th</sup> byte of remark	
8	9 <sup>th</sup> byte of remark	
9	10 <sup>th</sup> byte of remark	
10	11 <sup>th</sup> byte of remark	
11	12 <sup>th</sup> byte of remark	
12	13 <sup>th</sup> byte of remark	
13	14 <sup>th</sup> byte of remark	
14	15 <sup>th</sup> byte of remark	
15	16 <sup>th</sup> byte of remark	
16	17 <sup>th</sup> byte of remark	
17	18 <sup>th</sup> byte of remark	
18	19 <sup>th</sup> byte of remark	
19	20 <sup>th</sup> byte of remark	

### Response

Operation Code: <b>0x0011</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
<b>Additional Content</b>		
LEN of additional content: 1 byte		
Index of Additional Content	Remark	Value
0	Flag for success/ failure	1byte,

		Success=0xF8 Failure =0xF5
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## 1.7 Read firmware version

**Supported Device: All modules**

Operation Code: <b>0xEEFD</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 0 byte		

### Response

Operation Code: <b>0xEEFE</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content: 22 bytes,		
Index of Additional Content	Remark	Value
0 ~21	Version info	22 bytes

## 1.8 ModifysubnetID and DeviceIDby Mac address

**Supported Device: All modules**

Operation Code: <b>0xF005</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 10 bytes		
Index of Additional Content	Remark	Value
0	MAC 1st byte	1byte
1	MAC 2nd byte	1byte
2	MAC 3rd byte	1byte

3	MAC 4th byte	1byte
4	MAC 5th byte	1byte
5	MAC 6th byte	1byte
6	MAC 7th byte	1byte
7	MAC 8th byte	1byte
8	SubnetID	1byte
9	SubDeciveID	1byte

### Response

Operation Code: <b>0xF002</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
<b>Additional Content</b>		
LEN of additional content: 1 byte		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5

## 1.9 To see whether the specify device is on line

Supported Device: All modules

Operation Code: <b>0xF065</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte, scope 1-254
Target Device ID:	Specify device ID of target device	1byte, scope 1-254
Is Big UDP Package format : <b>No</b>		
<b>Additional Content</b>		
LEN of additional content: 0 byte		

### Response

Operation Code: <b>0xF066</b>		
Target Subnet ID:	Specify subnet ID of target device	1byte,scope 1-254
Target Device ID:	Specify device ID of target device	1byte,scope 1-254
Is Big UDP Package format: No		
<b>Additional Content</b>		
LEN of additional content: 0 bytes,		

## 1.2 MiniIO

### 1.1 Read Dry Connector NC/NO & Current Status

Operation Code: <b>0x012C</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::1 byte		
0	Reserved	1byte

#### Response

Operation Code: <b>0x012D</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 2 + 2*(QTY of Dry connector) bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	QTY of Dry connector	1byte
2	NC/NO for dry connector 1 NC:normally close NO:normally open	0x00 = NC 0x01 = NO Other value is invalid
3	NC/NO for dry connector 2 NC:normally close NO:normally open	0x00 = NC 0x01 = NO Other value is invalid
...	...	...
1 + QTY of dry connector	NC/NO for <b>last</b> dry connector NC:normally close NO:normally open	0x00 = NC 0x01 = NO Other value is invalid
1 + QTY of dry connector +1	Status of Dry connector 1	1byte 0 = Connected 1 = Disconnected

1 + QTY of dry connector +1+2	Status of Dry connector 2	1byte 0 = Connected 1 = Disconnected
...	...	...
1 + (QTY of dry connector)*2 +1	Status of Dry connector 1	1byte 0 = Connected 1 = Disconnected

## 1.2 Forwardly Report Status by 3Z

Remark: if status of 3Z is changed, the 3Z will report status of 4 contacts to the network by broadcast

To make sure the data will not be loss, 3Z need to send 3 times, interval delay is 1second.

It means devices will report 3 times, every 1 second will send 1 time. Total is 3 times.

<b>Operation Code:0xDC22</b>		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:		0xFF
<b>Additional Content</b>		
LEN of additional content:: 9 bytes		
Index of Additional Content	Remark	Value
0	QTY of dry contacts	1byte Here QTY is 4
1	Type of dry contact 1	1byte Type of dry contact: NC=1 NO=0 Invalid=2
2	Type of dry contact 2	1byte
3	Type of dry contact 3	1byte
4	Type of dry contact 4	1byte
5	Status of dry contact 1	1byte Status: Open =1 Close =0
6	Status of dry contact 2	1byte
7	Status of dry contact 3	1byte



8	Status of dry contact 4	1byte
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## 1 3Zmode

## 2 Settings

### 2.1 Read type of button control

Operation Code: <b>0xD205</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:0 byte		

#### Response

Operation Code: <b>0xD206</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 + QTY of button bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Type of button 1	1byte For detail see table <a href="#">Button Type</a> below
2	Type of button 2	1byte For detail see table <a href="#">Button Type</a> below
...	...	...
QTY of buttons	Type of last button	1byte For detail see table <a href="#">Button Type</a> below

### Button Type

Mechanical Switch	Single on	Single on/off	Combination on	Combination off	Combination on/Off	Invalid
0	1	2	3	4	5	0xFF

## 2.2 Write type of button control

Operation Code: <b>0xD207</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 + QTY of button bytes		
Index of Additional Content	Remark	Value
0	Type of button 1	1byte For detail see table <a href="#">Button Type</a> up
1	Type of button 2	1byte For detail see table <a href="#">Button Type</a> up
...	...	...
QTY of buttons	Type of last button	1byte For detail see table <a href="#">Button Type</a> up

### Response

Operation Code: <b>0xD208</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 + QTY of button bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5

1	Type of button 1	1byte For detail see table <a href="#">Button Typeup</a>
2	Type of button 2	1byte For detail see table <a href="#">Button Typeup</a>
...	...	...
QTY of buttons	Type of last button	1byte For detail see table <a href="#">Button Typeup</a>

## 2.3 Read work mode of Electronic button

Operation Code: <b>0xD230</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:0 byte		

### Response

Operation Code: <b>0xD231</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 + QTY of button bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Mode of button 1	1byte 0 = On/Off mode 1 = Dimming Mode&On/Off mode
2	Mode of button2	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode
...	...	...
QTY of buttons	Mode of last button	1byte

		0 = On/Off mode 1 = Dimming Mode & On/Off mode
--	--	--

## 2.4 Modify work mode of Electronic button

<b>Operation Code: 0xD232</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::QTY of buttons byte		
1	Mode of button 1	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode
2	Mode of button2	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode
...	...	...
QTY of buttons -1	Mode of last button	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode

### Response

<b>Operation Code: 0xD233</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 + QTY of button bytes		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Mode of button 1	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode

2	Mode of button2	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode
...	...	...
QTY of buttons	Mode of last button	1byte 0 = On/Off mode 1 = Dimming Mode & On/Off mode

## 2.5 Read remark of button

Operation Code: <b>0xD210</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::2 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Flag of switch type	1byte If mechanical switch: 0 = remark of <b>off</b> , 1 = remark of <b>on</b> else = 1

### Response

Operation Code: <b>0xD211</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 22 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte
1	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical

		switch On or other type switch
2 ~ 21	Remark data	20 bytes

## 2.6 Modify remark of button

Operation Code: <b>0xD220</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 23 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Flag of switch type	1byte If mechanical switch: 0 = remark of off, 1 = remark of on else = 1
2 ~ 22	Remark data	20 bytes

### Response

Operation Code: <b>0xD221</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 3 bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Button No.	1byte
2	Flag of switch type	1byte 0 = remark of mechanical switch Off

		1 = remark of mechanical switch On or other type switch
--	--	---

## 2.7 Read relay time of mechanical switch

Operation Code: <b>0xD218</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::2 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Mechanical switch on or off	1byte Delay of mechanical switch off = 0 Delay of mechanical switch on=1

### Response

Operation Code: <b>0xD219</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 5 bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Button No.	1byte
2	Flag of switch type	1byte Delay of mechanical switch off = 0 Delay of mechanical switch on=1

3	High 8 bit of delay time	2 bytes
4	Low 8 bit of delay time	Scope 0-3600ms

## 2.8 Write relay time of mechanical switch

Operation Code: <b>0xD20C</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::23 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical switch On or other type switch
2 ~ 22	Remark data	20 bytes

### Response

Operation Code: <b>0xD20D</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 3 bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Button No.	1byte
2	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical



		switch On or other type switch
--	--	--------------------------------

## 2.9 Read settings of specify command of specify button

Operation Code: <b>0xD21C</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::3 bytes		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical switch On or other type switch
2	Sequence No.	1 byte Scope 0-99

### Response

Operation Code: <b>0xD21D</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 7 + N bytes ; N depends on Command type <a href="#">CommandType Definition</a>		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Button No.	1byte

2	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical switch On or other type switch
3	Sequence No.	1byte Scope 0-99
4	Command type	1byte For detail see <a href="#">tableCommandType Definition</a>
5	Target subnet ID	1byte
6	Target device ID	1byte
7 ~	Parameters ,depends on Command type	Number of byte depends on Command type

## 2.10 Write settings of specify command of specify button

Operation Code: <b>0xD21E</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:: 7 + N bytes ; N depends on Command type <a href="#">CommandType Definition</a>		
Index of Additional Content	Remark	Value
0	Button No.	1byte Scope 0~ QTY of buttons
1	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical switch On or other type switch
2	Sequence No.	1 byte Scope 0-99

4	Command type	1byte For detail see table <a href="#">CommandType Definition</a>
5	Target subnet ID	1byte
6	Target device ID	1byte
7 ~	Parameters ,depends on Command type	Number of byte depends on Command type

### Response

Operation Code: <b>0xD21F</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: : 4bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Button No.	1byte
2	Flag of switch type	1byte 0 = remark of mechanical switch Off 1 = remark of mechanical switch On or other type switch
3	Sequence No.	1byte Scope 0-99

## 2.11 Read info of button enable or not

Operation Code: <b>0x0128</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::0 byte		

## Response

Operation Code: <b>0x0129</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: QTY of buttons bytes		
Index of Additional Content	Remark	Value
0	Button1 enable or not	1byte 0 = Disenable 1 = Enable
1	Button2 enable or not	1byte 0 = Disenable 1 = Enable
...	...	...
QTY of buttons - 1	Last Button enable or not	1byte 0 = Disenable 1 = Enable

## 2.12 Modify info of button enable or not

Operation Code: <b>0x012A</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::QTY of buttons bytes		
0	Button1 enable or not	1byte 0 = Disenable 1 = Enable
1	Button2 enable or not	1byte 0 = Disenable 1 = Enable
...	...	...
QTY of buttons - 1	Last Button enable or not	1byte 0 = Disenable 1 = Enable

## Response

Operation Code: <b>0x012B</b>
-------------------------------

Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 1 byte		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5

## 2.13 Modify button enable or not by universal switch command

Operation Code: <b>0xE01C</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::QTY of buttons bytes		
0	Channel of dry connector	1byte 251 = 1 <sup>st</sup> dry connector 252 = 2 <sup>nd</sup> dry connector 253 = 3 <sup>rd</sup> dry connector 254 = 4 <sup>th</sup> dry connector
1	Enable or not	1byte 0 = Disenable 1 = Enable

### Response

Operation Code: <b>0xE01D</b>		
Target Subnet ID:	Broadcast	0xFF
Target Device ID:	Broadcast	0xFF
<b>Additional Content</b>		
LEN of additional content: 2 bytes		
Index of Additional Content	Remark	Value
0	Channel of dry connector	1byte 251 = 1st dry connector

		252 = 2nd dry connector 253 = 3rd dry connector 254 = 4th dry connector
1	Enable or not	1byte 0 = Disenable 1 = Enable

## 2.14 Read remark of that specify security zone

Operation Code: <b>0XD210</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 0 byte		
Index of Additional Content	Remark	Value
0	Channel No. of Dry Connector	1byte Scope 4-7
1	Reserved	1byte

### Response

Operation Code: <b>0XD211</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 23 bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Channel No. of Dry Connector	1byte Scope 4-7
2	Reserved	1byte

3 ~ 22	Remark data	20 bytes
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## 2.15 Write remark of that specify security zone

Operation Code: <b>0XD220</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::22 bytes		
Index of Additional Content	Remark	Value
0	Channel No. of Dry Connector	1byte Scope 4-7
1	Reserved	1byte
2 ~ 21	Remark data	20 bytes

### Response

Operation Code: <b>0XD221</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: QTY of buttons bytes		
Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Channel No. of Dry Connector	1byte Scope 4-7

## 2.16 Read security configuration info for specify dry connector NO.

Operation Code: <b>0X0124</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::1 byte		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>
0	Channel No. of Dry Connector	1byte Scope 1-4

### Response

Operation Code: <b>0X0215</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content: 10 bytes		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Channel No. of Dry Connector	1byte Scope 4-7
2	Security Enable or not	1byte 0xF8 = Allow the dry connector to send security commands 0xF5 = Disallow the dry connector to send security commands
3	The condition to trigger the security events	1 byte 0 = Connect 1 = Disconnect
4	Subnet ID of specify security module	1byte



5	Device ID of specify security module	1byte
6	Zone NO. of specify security module	1byte
7	24Hours Active Zone	1byte 0x01=Fire 0x04:Panic 0x10:Current 0x02:Gas 0x08:Salience Emergency
8	Security Arm Mode	1byte Value = Day(bit4)+Night Guest(bit3)+Night(Bit2)+Away(bit1)+Vacation(Bit0) 0 = the mode is invalid 1 = the mode is valid
9	Trigger Delay	1byte 0x00 = Not delay 0x81 = 1multiple 0x82 = 2multiple 0x83 = 4multiple

## 2.17 Modify security configuration info for specify dry connector NO.

Operation Code: <b>0X0126</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content::9 bytes		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>

0	Channel No. of Dry Connector	1byte Scope 1-4
1	Security Enable or not	1byte 0xF8 = Allow the dry connector to send security commands 0xF5 = Disallow the dry connector to send security commands
2	The condition to trigger the security events	1 byte 0 = Connect 1 = Disconnect
3	Subnet ID of specify security module	1byte
4	Device ID of specify security module	1byte
5	Zone NO. of specify security module	1byte
6	24Hours Active Zone	1byte 0x01=Fire 0x04:Panic 0x10:Current 0x02:Gas 0x08:Salience Emergency
7	Security Arm Mode	1byte Value = Day(bit4)+Night Guest(bit3)+Night(Bit2)+Away(bit1)+Vacation (Bit0) 0 = the mode is invalid 1 = the mode is valid
8	Trigger Delay	1byte 0x00 = Not delay 0x81 = 1multiple 0x82 = 2multiple 0x83 = 4multiple

### Response

Operation Code: **0X0217**

Target Subnet ID:	Specify subnet ID of target device	scope 0-254
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Target Device ID:	Specify device ID of target device	scope 0-254
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Target Device ID:	Specify device ID of target device	scope 0-254
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### Additional Content

LEN of additional content: 23 bytes

Index of Additional Content	Remark	Value
0	Flag of success or failure	1byte Success=0xF8 Failure=0xF5
1	Channel No. of Dry Connector	1byte Scope 1-4
2	Security Enable or not	1byte 0xF8 = Allow the dry connector to send security commands 0xF5 = Disallow the dry connector to send security commands
3	The condition to trigger the security events	1 byte 0 = Connect 1 = Disconnect
4	Subnet ID of specify security module	1byte
5	Device ID of specify security module	1byte
6	Zone NO. of specify security module	1byte
7	24Hours Active Zone	1byte 0x01=Fire 0x04:Panic 0x10:Current 0x02:Gas 0x08:Salience Emergency
8	Security Arm Mode	1byte Value = Day(bit4)+Night Guest(bit3)+Night(Bit2)+Away(bit1)+Vacation(Bit0) 0 = the mode is invalid 1 = the mode is valid
9	Trigger Delay	1byte 0x00 = Not delay 0x81 = 1multiple 0x82 = 2multiple 0x83 = 4multiple

### CommandType Definition

Command TypeID	Command Type Name	Remark	FirstParameter	SecondParameter	ThirdParameter
0	Scene control		Zone No (1-254)	Scene No (0-254)	Unused (set 0 )
1	Sequence		Zone No	Sequence	Unused

	Control		(1-254)	No (0-254)	(set 0 )
2	Universal Switch Control		Universal Switch ID (0-255)	Switch Control status (255:on 0: off)	Unused (set 0 )
3	Invalid	Invalid command, it will not take any actions	Any value (0-255)	Any value (0-255)	Any value (0-65535)
4	Single Channel Control		Channel No (1-255)	Brightness percentage (0 -100)	Running Time, unit: second (0 -3600)
5	Broadcast scene	Run the specific scene in all area of current module	Broadcast area (Must be set 255)	Scene No (0-254)	Unused (set 0 )
6	Broadcast All channels	Control all the channels of current module	Broadcast all channels (Must be set 255)	Brightness percentage (0 -100)	Running Time, unit: second (0 -3600)
7	Curtain Control	Control curtain if you are using g3 curtain module	Curtain No (1-4)	Curtain Control Status (0: Stop 1: Open 2: Close)	Unused (set 0 )
8	Timer Control		Channel No (1-255)	Control Status (255: open 0 : close)	Unused (set 0 )
9	SMS Control	Control G3 SMS module	Type ID ( 0: invalid 1: SMS Message)	SMS Command No (0-255)	Unused (set 0 )
10	Panel control		<b>Panel control for A/C</b>		

			<b>FirstParameter</b> (TypeID)	<b>SecondParameter</b> (Value)	<b>ThirdParameter</b>
			0=(invalid)	0	0
			1=(enable/disable IR receive function of DLP)	0: (disable) 1: (enable)	0
			3=(Power on/off A/C)	0: (power off) 1: (power on)	0
			4=(cool Set point)	0-30 c 32-86F	0
			5=(FAN Speed)	0: (auto) 1: (High) 2: (Medium) 3: (low)	0
			6=(AC mode)	0: (Cool) 1: (Heat) 2: (FAN) 3: ( Auto)	0
			7=(Heat set point)	0-30 c 32-86F	
			8=(Auto Set point)	0-30 c 32-86F	
11	Security Mode control		Zone no ( 1-8)	Mode No 1: vacation 2: away 3: night 4: Night with guest 5: Day 6: Disarm	Unused (set 0)
12	Security Alarm		Zone no (1-8)	<b>Alarm No</b> 1: vacation 2: Away 4: Night 8: Night with guest 16: Day 32: Siren 64: Power  128: Temperature  256: Fire	Unused (set 0)

				512: Gas 1024: Panic 2048: Emergency  4096: Current	
18	Z-Audio		<b>Z-Audio</b>		
			<b>FirstParameter (Type ID)</b>	<b>SecondParameter (Value)</b>	<b>ThirdParameter</b>
			1=Music Source	Music Source No  SD card =1 Audio In =2 FTP Server =3 FM Radio =4	N/A
			3=Song List / Radio List Control	<b>Type of list Control</b> PREV. Song List =1 Next Song List=2 Specify Song List No=3 PREV Radio Channel=4 Next Radio Channel =5 Specify Radio No=6	Song List No / Radio No (only available when Second Parameter is equal 3 or 6)
			4=Play Control	Previous Song=1 Next Song=2 Play=3 Stop=4	N/A
			5=Volume Control	Percentage of VOL (0~ 100, 100% is max. VOL, 0 is mute)	N/A
			6=Specify Song Control	Song List No (1byte,0-255, Song List No 0 is for alarm voice)	<b>Song No (1 – 999 )</b>

## Current、Voltage mode

### 2.18 Read the mode of input port

Operation Code: <b>0x0150</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:0bytes		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>

#### Response

Operation Code: <b>0x0151</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:9 bytes		
<b>Index of Additional Content</b>	<b>Remark</b>	<b>Value</b>
0	Input port 1	1byte 1: Current 2: Voltage 3: Invalid 4: 3Z
1	Voltage/Current (High)	2byte ----V (precision: 0.1V) ----mA (0.1mA)
2	Voltage/Current (Low)	
3	Input port 2	1byte Voltage/Current/3Z
4	Voltage/Current (High)	2byte ----V (precision: 0.1V) ----mA (0.1mA)
5	Voltage/Current (Low)	
6	Input port 3	1byte Voltage/Current/3Z
7	Voltage/Current (High)	2byte ----V (precision: 0.1V) ----mA (0.1mA)
8	Voltage/Current (Low)	



## 2.19 Modify the mode of input port

Operation Code: <b>0x0152</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:9 bytes		
Index of Additional Content	Remark	Value
0	Input port 1	1byte 1: Current    2: Voltage 3: Invalid    4: 3Z
1	I Input port 2	1byte 1: Current    2: Voltage 3: Invalid    4: 3Z
2	Input port 3	1byte 1: Current    2: Voltage 3: Invalid    4: 3Z

### Response

Operation Code: <b>0x0153</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:1 bytes		
Index of Additional Content	Remark	Value
0	Flag	1byte Success=0xF8 Failure=0xF5

## 2.20 Read the limits of input port

Operation Code: <b>0xD932</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:2bytes		
Index of Additional Content	Remark	Value
0	Input port	1byte 0-2
1	Conditions	0-4

### Response

Operation Code: <b>0xD933</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:6bytes		
Index of Additional Content	Remark	Value
0	Flag	1byte Success=0xF8 Failure=0xF5
1	Input port	0-2
2	Conditions	0-4
3	Enabled	Valid/Invalid
4-5	Start Limits	2byte 0-15.0V/0-50. 0mA
6-7	End Limits	2byte 0-15.0V/0-50. 0mA

## 2.21 Modify the limits of condition

Operation Code: <b>0xD934</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:5bytes		
Index of Additional Content	Remark	Value
0	Input port	0-2
1	Conditions	0-4
2	Enabled	Valid/Invalid
3-4	Start Limits	1byte 0-15.0V/0-50mA
5-6	End Limits	1byte 0-15.0V/0-50mA

### Response

Operation Code: <b>0xD935</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:1bytes		
Index of Additional Content	Remark	Value
0	Flag	1byte Success=0xF8 Failure=0xF5

## 2.22 Read the remark of condition

Operation Code: <b>0xD210</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:2bytes		
Index of Additional Content	Remark	Value
0	Input port	1byte 0-2
1	Conditions	0-4

### Response

Operation Code: <b>0xD211</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:23bytes		
Index of Additional Content	Remark	Value
0	Flag	1byte Success=0xF8 Failure=0xF5
1	Input port	0-2
2	Conditions	0-4
3-22	remark	0-0xff

## 2.23 Modify the remark of condition

Operation Code: <b>0xD220</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:22bytes		
Index of Additional Content	Remark	Value
0	Input port	0-2
1	Conditions	0-4
2-21	remark	0-0xff

### Response

<b>Operation Code: 0xD221</b>		
Target Subnet ID:	Specify subnet ID of target device	scope 0-254
Target Device ID:	Specify device ID of target device	scope 0-254
<b>Additional Content</b>		
LEN of additional content:2bytes		
Index of Additional Content	Remark	Value
0	Flag	1byte Success=0xF8 Failure=0xF5
1	Input port	1byte 0-5
1	Conditions	0-4