

|            |   |  |            |
|------------|---|--|------------|
|            | 3 | Input HX9, rear door light curtain                   | Default NO |
|            | 4 | Input power, need to connect switch power supply+24V |            |
| <b>JP4</b> | 1 | Input HX10, rear door safety edge                    | Default NO |
|            | 2 | Input HX11, backup                                   |            |
|            | 3 | JP4.1-JP4.2 Input common port,0V                     |            |
| <b>JP5</b> | 1 | Input HX12, backup                                   |            |
|            | 2 | JP5.1 Input common port,0V                           |            |

### 6.3 Car controller panel SM.02/G introduction

#### 6.3.1 Car controller panel SM02/G outside view and installation dimension



Fig 6.5 car controller outside view

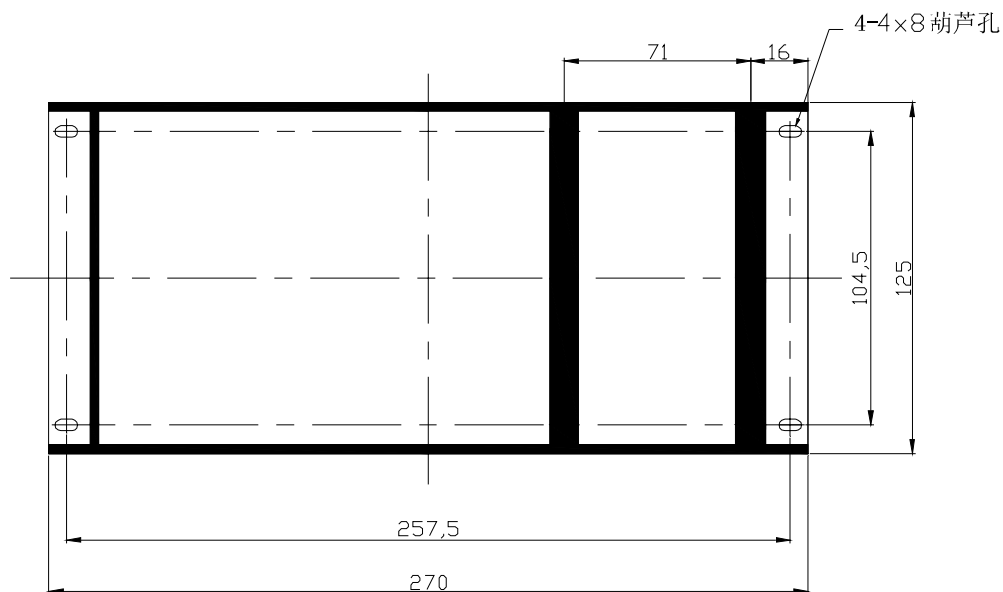


Fig 6.5 car control panel installation dimension

6.3.2 Car control board SM.02/G plug-in and port definition introduction

Table 6.5 car control board SM02/G plug-in specification

| Car control board |           |           |           |
|-------------------|-----------|-----------|-----------|
| Socket No         | model     | Socket No | model     |
| JP1               | CH3.96-4A | JP5       | 5.08-6P   |
| JP2/JP3           | IDC-14P   | JP6/JP7   | CH2510-4A |
| JP4               | B4B-XH-A  |           |           |

Table 6.6 car control board SM.02/G port definition

| Port Definition |                                |  |            |
|-----------------|--------------------------------|--|------------|
| Socket No       | Port No                        | Definition                             | remark     |
| JP1             | 1                              | 24V red                                |            |
|                 | 2                              | GND yellow                             |            |
|                 | 3                              | CANH green                             |            |
|                 | 4                              | CANL blue                              |            |
| JP2             | connecting instruction board   |  |            |
| JP3             | connecting car extension board |  |            |
| JP4             | car adjusting port             |  |            |
| JP5             | 1                              | Input GX0 , attendant change direction | Default NO |
|                 | 2                              | Input GX1, attendant                   | Default NO |
|                 | 3                              | Input GX2, Independent                 | Default NO |
|                 | 4                              | Input GX3, attendant by-pass           | Default NO |
|                 | 5                              | Input GX4, firemen                     | Default NO |

|            |       |  |            |       |                                |  |
|------------|-------|--|------------|-------|--------------------------------|--|
|            | 6     | Input JP5.1-JP5.5 signal common source   | Default NO |       |                                |  |
| <b>JP6</b> | 1     | Negative pole of power supply for door-opening indicator light   |            |       |                                |  |
|            | 2     | positive pole of power supply for door-opening indicator light   |            |       |                                |  |
|            | 3     | door-opening button ( GX5)   |            |       |                                |  |
|            | 4     | door-opening button  |            |       |                                |  |
| <b>JP7</b> | 1     | Negative pole of power supply for door-closing indicator light   |            |       |                                |  |
|            | 2     | positive pole of power supply for door-closing indicator light   |            |       |                                |  |
|            | 3     | door-closing button (GX6)  |            |       |                                |  |
|            | 4     | door closing button  |            |       |                                |  |
| <b>DB1</b> |       | program record burning slot  |            |       |                                |  |
| <b>SW1</b> | SW1.1 | Simultaneously turn on, CAN terminal resistor connected.<br>Simultaneously turn off, terminal resistor disconnected. |            |       |                                |  |
|            | SW1.2 |  |            |       |                                |  |
| <b>SW2</b> | SW2.1 | Simultaneously turn on, program record burning status;<br>simultaneously turn off, normal running status.            |            |       |                                |  |
|            | SW2.2 |  |            |       |                                |  |
| <b>SW3</b> | SW3.1 | SW3.2  | SW3.3      | SW3.4 | operation cabinet type         |  |
|            | ON    | OFF  | OFF        | OFF   | main operation cabinet         |  |
|            | OFF   | ON   | OFF        | OFF   | rear operation cabinet         |  |
|            | OFF   | OFF  | ON         | OFF   | the disabled operation cabinet |  |
|            | OFF   | OFF  | OFF        | ON    | auxiliary operation cabinet    |  |

Table 6.7 SM09IO/B I/O Port definition when used as car extension board

| Socket No  | Terminal No                               | Definition   | remark |
|------------|---|--|--------|
| <b>JP1</b> | Connecting car board SM.02/G              |  |        |
| <b>JP2</b> | connecting the second car extension board |  |        |
| <b>JP6</b> | 1   | Output GY0 , door-opening holding indicator light output |        |
|            | 2   | Output GY1, standby                                      |        |
|            | 3   | Output GY2, standby                                      |        |
|            | 4   | Output JP6.1-JP6.3 common port                           |        |
| <b>JP7</b> | 1   | Output GY3, standby                                      |        |
|            | 2   | Output JP7.1 common port                                 |        |
| <b>JP8</b> | 1   | Output GY4, standby                                      |        |
|            | 2   | Output JP8.1 common port                                 |        |

|            |   |  |            |
|------------|---|--|------------|
| <b>JP9</b> | 1 | Output GY5, standby  |            |
|            | 2 | Output JP9.1 common port   |            |
| <b>JP3</b> | 1 | Input GX7, standby   |            |
|            | 2 | Input GX8, standby   |            |
|            | 3 | Input GX9, standby   |            |
|            | 4 | Input power supply need to connect the power supply of switch +24V |            |
| <b>JP4</b> | 1 | Input GX10, door opening holding button input                      | Default NO |
|            | 2 | Input GX11, NS-SW  | Default NO |
|            | 3 | JP4.1-JP4.2 Input common port,0V                                   |            |
| <b>JP5</b> | 1 | Input GX12, standby  |            |
|            | 2 | Input power supply, need to connect switch power supply+24V        |            |

Note:

◇ car control board is linked to the power supply and communication bus

The power supply and communication of car control board is lined in with JP1, in which JP1.01 and JP1.02 is TXV+ and TXV-. JP1.03 and JP1.04 is TXA+ and TXA -,

The input power supply of TXV+, TXV- is DC24V. TXA+ and TXA- is communication line. The communication line must be 4-wire twisted pairs.

◇ car control board input signal connection

Car control board mainly collect car switch-generated data signal, and transmit these signal status to main controller through CAN bus. These switch-generated data signal such as door open/close input, attendant, by-pass, etc.

◇ car control board output signal connection

Car control board control the transistor output through the signal transmitted from CAN bus. The transistor output control the output of door-opening/closing button lamp.

◇ the connection between car control board and instruction controller

The connection line between instruction extension control board and car control board is preinstalled in the car. And the pin plug into the JP2 groove

◇ door opening/closing button and indicator lamp connection instruction.

1 and 2 pin connecting respectively to “-“and “+” terminal of power supply of door indicator lamp. 3 and 4 pin connecting to the button terminal of door opening and closing

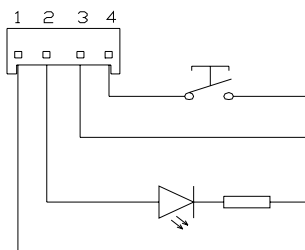


Fig 6.7 door opening/closing button and instruction lamp connection diagram

#### 6.4 instruction control board SM-03