

Group control board SM-GC	For elevator group control from 3 to 8 unit	Standard group control required
Handheld operator and connecting wires	For elevator adjustment	Adjustment required accessories

6.1 Car top control board SM.02/H introduction

6.1.1 Car top control panel SM.02/H outside view and installation dimension

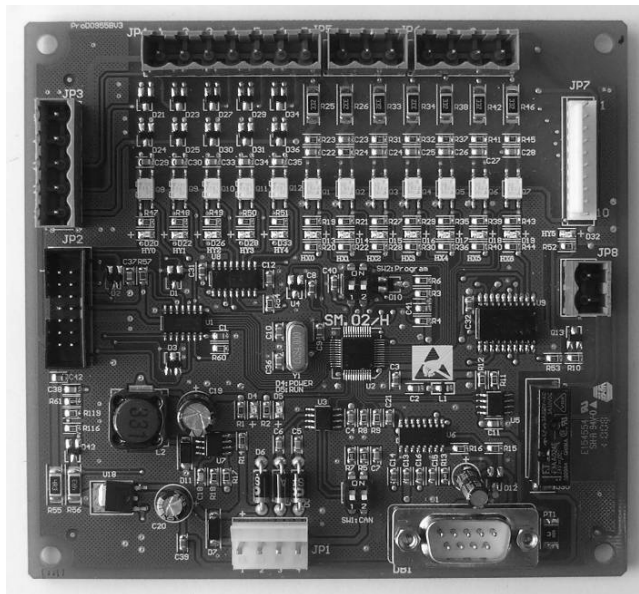


Fig 6.1 car top control panel outside view

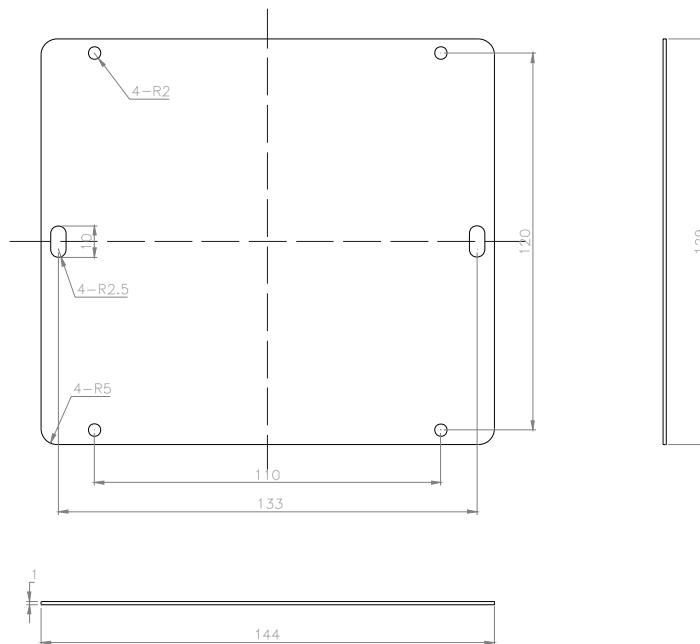


Fig 6.2 car top control baseboard installation dimension

6.1.2 Car top control panel SM 02/H

Table 6.1 car top control panel SM.02/H plug-in specification

Car top control panel SM-2/H plug-in specification			
<b>JP1</b>	CH3.96-4A	<b>JP5</b>	5.08-3P-V-green
<b>JP2</b>	IDC-14P	<b>JP6</b>	5.08-4P-V-green
<b>JP3</b>	5.08-5P-V-绿	<b>JP7</b>	CH2510-10A
● <b>JP4</b>	5.08-7P-V-绿	<b>JP8</b>	5.08-2P-V-green

Table 6.2 Car top control panel SM.02/H input and output port definition

Port definition			
Socket No	Port No	Definition	Remark
<b>JP1</b>	1	24V red	
	2	GND yellow	
	3	CANH green	
	4	CANL blue	
<b>JP2</b>	Connecting car top extension board		
<b>JP3</b>	1	Out put JP3.2-JP3.3 common port	
	2	Output HY0, down arrival gong	
	3	Output HY1, upper arrival gong	
	4	Output 0V	
	5	Output 24V	
<b>JP4</b>	1	Input JP4.2-JP4.3 common port	
	2	Input HX0, front door close in place	Default NC
	3	Input HX1, front door open in place	Default NC
	4	Output JP4.5-JP4.7common port	
	5	Output HY2, front door forced close output	
	6	Output HY3, front door close signal output	
	7	Output HY4, front door open signal output	
<b>JP5</b>	1	Input JP5.2-JP5.3 common port, 0V	
	2	Input HX2, front door safety edge	Default NC
	3	Input HX3, front door light curtain	Default NO
<b>JP6</b>	1	Input JP6.2-JP6.4 common port, 0V	
	2	Input HX4, light load	Default NO
	3	Input HX5, full load	Default NO
	4	Input HX6, overload	Default NC
<b>JP7</b>	1	Parallel voice port D0, LSB	
	2	Parallel voice port D1	
	3	Parallel voice port D2	
	4	Parallel voice port D3	
	5	Parallel voice port D4	

	6	Parallel voice port D5	
	7	Parallel voice port D6	
	8	Parallel voice port D7, MSB	
	9	Common port 0V	
	10	Common port +24V	
<b>JP8</b>	1	JP8.2 common port	
	2	Output HY5, light fan relay	
<b>DB1</b>		Program burning record port	
<b>SW1</b>	SW1.1	simultaneously turn on and CAN terminal resistor is connected, simultaneously turn off and terminal resistor disconnected	
	SW1.2		
<b>SW2</b>	SW2.1	simultaneously turn on and enter into the program recording status, simultaneously turn off and return to normal running status	
	SW2.2		

Note:

1) The JP 7 port of SM-02/H outputs eight-bit binary coding pulse signals, triggering voice landing forecast during deceleration of car for stop, one second for every pulse output. The eight-bit output is in the mode of transistors with open loop in the collector and shared anode, output voltage DC24V, current capacity 50mA. The 8-bit binary coding provides as many as 255 output status in accordance with WORD BANK for display, namely, supposing t that user set B1 for the first floor display, the corresponding display code is 60. The JP7 output signal is to transform the decimal bit of 60 into binary bit before outputting. The words” we now arrive at B1 floor” are broadcasted by decoding that binary signal. At present 0-247 are processed by the definition of the word bank for display (see the List of Display Codes in 6.5.10) whereas the codes of 248-255 are defined as following:

(248) 11111000: The elevator door close and the signal sent when the elevator is at main landing and is about to move upward

(249) 11111001: the signal sent when elevator is in fire alarming status.

(250) 11111010: The signal appears when the door-closing position limit switch turns from OFF to ON status during the door-opening.

(251) 11111011: The signal appears when the door-opening position limit switch turns from OFF to ON status during the door-closing.

(252) 11111100: Overload alarming

(253) 11111101: Door opening in place and then forecast next moving direction as upward

(254) 11111110: Door opening in place and then forecast next moving direction as downward

(255) 11111111: To be defined.

## 2. Wiring and Connection

✧ Car top controller and connection between power supply and communication bus  
The car controller with power supply and CAN BUS is lined in from JP1, of which JP1.01 and JP1.02 are for TXV+ and TXV-, JP1.03 and JP1.04 for TXA+ and TXA- respectively. TXV+, TXV- are power input DC24V; TXA+ and TXA- are communication lines which must be 4-wire Twisted Pairs.

✧ Car top controller input signal connection