

1. Port Definition and Specifications

Table 1.1 Terminal Definitions

| Name | Port No. | Definition | Description | Port Specification |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------|
| J1 | J1-1 | 24V Input | Power and COMM Port | 150mA |
| | J1-2 | 24V Input GND | | |
| | J1-3 | CAN BUS H | | |
| | J1-4 | CAN BUS L | | |
| J2 | J2-1 | Up Call Answer | Up landing call Input/Answer | OC, DC24V/20mA |
| | J2-2 | 24V | | |
| | J2-3 | 24V | | |
| | J2-4 | Up Call Input | | Voltage Divider |
| J3 | J3-1 | Down Call Answer | Down landing call Input/Answer | OC |
| | J3-2 | 24V | | |
| | J3-3 | 24V | | |
| | J3-4 | Down Call Input | | Voltage Divider |
| J4 | J4-1 | 24V | Serial Electronic Lock Input | Voltage Divider |
| | J4-2 | Serial E-lock Input | | |
| | J4-3 | 24V | Serial Fire-signal Input | |
| | J4-4 | Serial Fire Input | | Voltage Divider |
| S1 | CAN BUS Terminal Resistor Jumper | | | |
| AN | Set Button | | | |
| JC | Testing Jumper | | | |
| EN | E-lock/Fire input enable jumper. SC this jumper at correspond floor when enable E-lock and fire input. | | | |
| J5 | J5-1 | 24V Output | Terminal J5-11 or J5-12 or J5-14 or J5-15 or J5-17 or J5-18 or J5-19 can be set to display as binary bit 7. | 150mA |
| | J5-2 | 24V Output GND | | |
| | J5-3 | Display: Binary bit 6 | | |
| | J5-4 | Display: Binary bit 5 | | |
| | J5-5 | Display: Binary bit 4 | | |
| | J5-6 | Display: Binary bit 3 | | |
| | J5-7 | Display: Binary bit 2 | | |
| | J5-8 | Display: Binary bit 1 | | |
| | J5-9 | Display: Binary bit 0 | | |
| | J5-10 | COM for J5-3 ~ J5-9 | | |
| | J5-11 | Fire ^[Note 1] | | |
| | J5-12 | Full Load/ Overload ^[Note 1] ^[Note 2] | | |
| | J5-13 | COM for J5-11 ~ J5-12 | | |
| | J5-14 | Inspection ^[Note 1] | | |
| | J5-15 | Parking ^[Note 1] | | |
| | J5-16 | COM for J5-14 ~ J5-15 | | |
| | J5-17 | Run ^[Note 1] | | |
| | J5-18 | Run Up ^[Note 1] | | |
| | J5-19 | Run Down ^[Note 1] | | |
| | J5-20 | COM for J5-17 ~ J5-19 | | |
| Note 1: Output Signal can be changed through setting. Note 2: Full Load output for LOP display, Overload output for COP display. | | | | Relay Output DC30V/3A AC250V/3A |

2. Output Display

Floor display output is binary, and the output modes can be changed by setting;

- Actual floor No. + Offset output;
- Controller floor No. + Offset output;
- Controller floor No. + coding table output, refer to table 2.1 for detail;

Actual Floor No.: Elevator with N stops, 0 for bottom floor, 1 for second to bottom floor, N-1 for top floor.

Offset: number 0-9, can change through setting.

Controller Floor No.: Refers to the floor display character/figures set on controller.

Table 2.1 Display Code

| Display coding table | | | | | | | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Code | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Disp | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Code | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Disp | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Code | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| Disp | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| Code | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| Disp | 45 | 46 | 47 | 48 | | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | -9 | |
| Code | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 |
| Disp | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B | G | M | M1 | M2 | M3 |
| Code | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| Disp | P | P1 | P2 | P3 | R | R1 | R2 | R3 | L | H | H1 | H2 | H3 | 3A | 12A |
| Code | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 |
| Disp | 12B | 13A | 17A | 17B | 5A | G1 | G2 | G3 | F | | C1 | C2 | C3 | C4 | C |
| Code | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 |
| Disp | D1 | D2 | D3 | D4 | D | 1F | 2F | 3F | 4F | 5F | 1C | 2C | 3C | 4C | |
| Code | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 |
| Disp | 1B | 2B | 3B | 4B | 1A | 2A | 4A | CF | LB | E | A | UB | LG | UG | 6A |
| Code | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 |
| Disp | 6B | 7A | 7B | 5B | 6C | | | | SB | 15A | 13B | K | U | S | EG |
| Code | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 |
| Disp | KG | | | | | | | | | | GF | MZ | SR | 19A | Z |
| Code | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 |
| Disp | HP | AB | PH | AA | L1 | L2 | L3 | PB | | AG | BE | RF | 1L | 5L | 1M |
| Code | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 |
| Disp | 3M | 4M | B1A | B2A | B3A | B4A | PM | 14A | 14B | AS | 15B | 16A | 16B | 22A | 22B |
| Code | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 |
| Disp | E1 | E2 | S1 | S2 | S3 | E3 | E4 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| Code | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 |
| Disp | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | P4 | P5 | LD | JC | S4 | S5 | SS |
| Code | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 |
| Disp | LL | 5C | 9F | LF | UF | FF | 33A | S6 | S8 | LP | UP | MR | PC | P6 | P7 |
| Code | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | | | | | | | |
| Disp | P8 | P9 | | P3A | P7A | P8A | P9A | AF | | | | | | | |

3. Port Signal Output

Please see below the output signal list

Table 3.1 Port signal output code list

| Code | Output Signal | Code | Output Signal |
|------|------------------------|------|----------------------------------------------------------------------------------------------------------------|
| 00 | Parking | 13 | Door open |
| 01 | Inspection | 14 | Door close |
| 02 | Fire | 15 | Run up |
| 03 | Special Use | 16 | Run down |
| 04 | Attendant | 17 | Running |
| 05 | Auto | 18 | Stop (No running signal) |
| 06 | Fault | 19 | Full load (LOP display)/ Overload (COP display) |
| 07 | Overload | 20 | Arrival Signal: Output 2s when receive change speed signal. Current floor arrival (LOP)/ Arrival Gong (COP) |
| 08 | Full load | | |
| 09 | Safety circuit/E-stop | 21 | Up Arrival Must satisfy: Landing zone have speed change signal/Landing zone door open + direction signal |
| 10 | Fire mode (Fire floor) | 22 | |
| 11 | Door interlock close | 23 | Display: Binary bit 7 |
| 12 | Door interlock open | | |

4. Floor address setting

Press setting button, after 2s 7-segment display current setting value, flash 3 times then enter floor address setting menu. Every time press setting button once, address will add 1 till 64 then rotate.

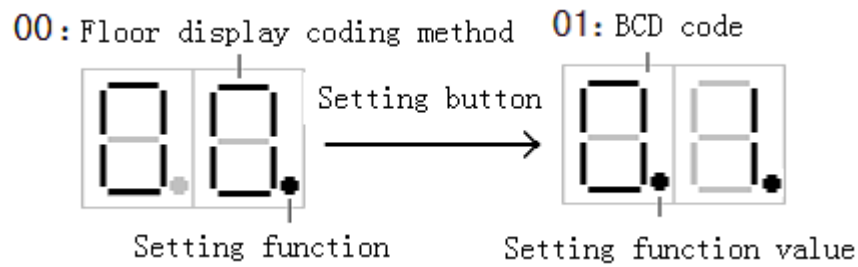
After setting the address, release the button for 2s, address value will flash and save setting, transfer board ready to work.

5. Function setting

5.1 Enter Function setting

Short circuit both jumper JC and jumper EN, power on the board to enter setting function. 7-segment display current customer number and program number. When display "U" it followed by current customer number, when display "P" it followed by current program number. Press setting button or up/down call button to enter function setting.

In this menu, system use "dots" in 7-segment to display setting function status and value. The right 7-segment dot "on" refers to current setting function status; both 7-segements dot "on" refers to current setting function value. Examples see below:



Press the setting button to switch between “Setting function /Setting function value”, press up/down calling button to change the current value.

5.2 Exit Display setting

Remove jumper JC and EN, transfer board enters normal condition.

If remove the jumper before saving parameters, all functions will not be changed.

5.3 Function setting list

a. Setting function: 00-Spare

b. Setting function: 01- Floor display mode

Setting value: 0- Actual floor No. + Offset output;

1- Controller floor No. + Offset output;

2- Controller floor No. + coding table output;

Default value is 2

c. Setting function: 02- Floor display offset

Setting value: 0-9; default value is 1

d. Setting function: 03- Up/Down arrival signal output setting

Setting value: 0- When arrive, output with 0.5s break pulse signal

1- When arrive, output continuous signal

Default value is 0

e. Setting function: 04- Save parameters

In setting function value mode, press both up/down calling button, after 2s 7-segment display start to flash, flash 3 times means saving parameter succeed.

f. Setting function: N- Port signal output Setting

N: 11-20 refers to J5-11 to J5-20 port

Setting value: 0-23 refers to **table 3.1** signal output