Door Station Model 603/Flush Mount

2-wire series

1-Button

2-Button
Introduction

Door Station Model DT-603 is equipped with a high resolution colour CCD image sensor ARS 650TVL with wide angle of view 105 degrees. White LEDs enable the door station to work efficiently at night. The door station facia is made of medical stainless steel 2.5mm for better protection against cauterization. The call button is made of durable zink alloy. The name label with back light is covered by fully secured and flameproof 4mm plexiglass plate. Door station intended for flush mount installation and comes with wall box. Anti-tamper screws supplied for better protection against vandalism. IP54 protection rate

Parts and Functions
**Terminals Descriptions**

**Lock Control Jumper**: To program electric lock type

**Main Connect Port**: To connect the bus line and electric lock

**BUS**: Connect to the bus line, no-polarity

**PL**: Additional power supply for the lock, connect to the power positive (power +)

**S+**: Lock power (+) output

**S-**: Lock power (-) output
Mounting

Door Station Mounting

1. Cut out an appropriate size hole, and mount the wall box.

2. Place the front panel into the mounting box. Screw in with security screws.

3. Place name label if required. Connect the cable.

4. Place the front panel into the mounting box. Screw in with security screws.

Replacing Name Label

STEP 1
Unscrew the screws

STEP 2
Replace name label
System Wiring and Connections

1-Monitor Connection

Multiple Door Stations Connection

If system has more than one door station installed, program their ID address before mounting them (see page 10 of manual)
Up to 15 x video monitors (Aura, Alecto, Leda, Iris) can be connected in one system.
Multiple Monitors Connection: Star with DBC4 Distributor

Up to 15 x video monitors (Aura, Alecto, Leda, Iris) can be connected in one system.

Address: 0

100~240VAC
Electric Lock Connection

Lock Controlled with Internal Power

Lock can be powered from Door Station if:

- The lock is ‘Power-on-to-unlock’
- The lock is 12V, and holding current is less than 250mA
- ‘Unlocking Mode’ parameter would be 0 (default, no need extra programming)

Door Lock Controlled with Dry Contact

Note:
1. The external power supply must be used according to the lock
2. The jumper must be taken off before connecting
3. Setup the Unlock Mode of Monitor for different lock types
   - Power-on-to-unlock type: Unlock Mode=0 (by default)
   - Power-off-to-unlock type: Unlock Mode=1
Unlock parameter settings via monitor (Aura, Alecto)

1. Touch icon
2. Touch UNLOCK button and hold for 2s
3. A digital keypad will opens

1. Door station must be connected and powered up
2. Electric or Magnetic lock must be connected before programming
3. Programming should be done on one monitor only. Settings will be synced with door station

Unlock parameter settings via monitor (Cronus)

1. Touch About icon
2. Touch the screen and hold for 2s
3. Touch Installer setup icon
4. A digital keypad will opens

Using the keypad, type in following codes:
8010 # for ‘Power-on-to-unlock’ mode
8011 # for ‘Power-off-to-unlock’ mode
Next step is to set unlocking time
8021# ~ 8029# unlocking time 1-9s

NOTE: Lock must be connected before programming. Programming should be done on one monitor only. Settings will be synced with door station
DIP switches settings for Multiple Monitor system (Models Cronus, Leda, Iris)

There are 6 x DIP switches on the rear of video monitor and they are used to configure the ‘User Code’ for each monitor. Use Tables below for programming monitor ‘User Codes’

DIP switch 6 is ‘End of Line’ switch, which has to be set ‘On’ on all monitors connected via ‘Star’ with DBC-4 distributor
If monitors connected via ‘Daisy chain’, set DIP switch 6 ‘On’ on the last monitor in the chain only

<table>
<thead>
<tr>
<th>DIP</th>
<th>Setting</th>
<th>DIP</th>
<th>Setting</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>Monitor not at the end of line</td>
<td>6</td>
<td>Monitor is at the end of the line</td>
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<table>
<thead>
<tr>
<th>DIP</th>
<th>User code</th>
<th>DIP</th>
<th>User code</th>
<th>DIP</th>
<th>User code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>code=0</td>
<td>6</td>
<td>code=6</td>
<td>11</td>
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<tr>
<td>1</td>
<td>code=1</td>
<td>7</td>
<td>code=7</td>
<td>12</td>
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<td>code=9</td>
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<td>15</td>
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<tr>
<td>5</td>
<td>code=5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Monitors with User Code 0~15 will response calls from Button A
Monitors with User Code 16~31 will response calls from Button B

Door Station ID Address

Up to 4 x Door Stations can be connected to one system. To find programming buttons A and B, remove steel facia of door station

1) Power-on and within 5 sec
2) Press and hold button "B" for 3 seconds to enter programming mode

Background indicator | Buzzer
---|---
(flash) | beep+, beep

Press and hold both buttons "A" and "B" for 3 seconds at the same time

Background indicator | Buzzer
---|---
(off) | beep+

Followed by pressing the "B" button, each time you press "B" button to replace the ID;
Note: The ID will cycle between ID0 → ID1 → ID2 → ID3.

Background indicator | Buzzer
---|---
ID0: (flash one) | beep one
ID1: (flash twice) | beep twice
ID2: (flash 3 times) | beep 3 times
ID3: (flash 4 times) | beep 4 times
Unlocking Time Setting via Door Station

The unlocking time can be set to 1~30 seconds. The default is 1s

1) Power-on and within 5 sec
2) Press and hold "B" button for 3 seconds to enter programming mode

- Background indicator: (flash)
- Buzzer: beep+, beep

Press and hold "A" button for 3 seconds

- Background indicator: (off)
- Buzzer: beep+

At this time press and hold "B" button, timing starts; release "B" button to end the timing. The time of press and hold "B" button equal to unlock time. (Timing Unit: 1s)

- Background indicator: (flash once per second)
- Buzzer: beep once per second

Note: Unlocking time can be program via monitor as well
Door Station has two reassuring ringtones: (A)-single ringtone, (B)-continuous ringtone
Can be switched off to silent (C) as well
Default - single ringtone (A)

1) Power-on and within 5 sec
2) Press and hold "B" button for 3 sec to enter Programming mode

Press and hold "B" button for 3 sec

Followed by pressing the "B" button, each time you press "B" to replace the ringtone mode;
Note: The ringtone mode will cycle between [A] ➔ [B] ➔ [C].
Specifications

- Power Supply: DC 24V
- Lock Power supply: 12Vdc, 300mA (Internal Power)
- Power Consumption: Standby 33mA; Working status 110mA
- Camera Image Sensor: Color ARS; 650 TV Lines
- Unlocking time: 1~30s
- Working temperature: -15°C ~ 55°C
- Dimensions: H188 × W110 × D39mm

Precautions

- It is ok to clean stainless steel parts of Door Station with ‘Brasso’ for example. Be careful with glass and plastic parts
- The unit is weatherproof. However do not spray high pressure water on it directly. Excessive moisture may cause problems
- You must only use the power supply which is supplied or approved by the manufacturer
7. Cables Requirements

This system transmits video and audio through the power cable. No Polarity connection
Recommended cables: Unscreened: twisted pair, flex multi-cores, speaker cable, CAT5/CAT6
Minimum requirements 0.5mm cable up to 2mm (depends on distance)

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Monitor quantity < 20

<table>
<thead>
<tr>
<th>Cable Usage</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
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<td>Twisted cable 2x0.75 mm²</td>
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<td>60</td>
<td>60</td>
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<tr>
<td>Twisted cable 2x1 mm²</td>
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<td>150</td>
<td>100</td>
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</tbody>
</table>

Monitor quantity > 20

<table>
<thead>
<tr>
<th>Cable Usage</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twisted cable 2x1 mm²</td>
<td>70</td>
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<tr>
<td>Twisted cable 2x1.5 mm²</td>
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