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1. Parts and Functions

- Camera Lens
- Speaker
- Night Light
- Nameplate
- Call Button
- Microphone

2. Terminal Descriptions

- Terminal Descriptions
- JP/LK
- BUS, PL, S+, S-
- Main Connect Port
• **JP/LK:** Lock control jumper, to select the lock type (see 5.2.1, 5.2.2).
• **Main Connect Port:** To connect the bus line and the electronic locks.
• **BUS:** Connect to the bus line, no polarity.
• **PL:** External lock power input, connect to the power positive (power +).
• **S+:** Lock power (+) output.
• **S-:** Lock power (-) output, connect to the power (-) input of locks (only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

### 3. Specifications

- **Power Supply:** DC 24V;
- **Lock Power supply:** 12Vdc, 300mA (Internal Power);
- **Power Consumption:** Standby 33mA; Working status 110mA;
- **Camera:** Color ARS; 500 TV Lines;
- **Unlocking time:** 1~30s (Default 1s);
- **Working temperature:** -15°C ~ 55°C;
- **Dimension:** 145(H) × 90(W) × 23(D) mm (Without rainy cover).

### 4. Mounting

#### 4.1 Mounting Without Rainy Cover

1. **Connect the cable correctly.**
2. **The host kit is installed on the wall.**
3. **Placing name label.**
4. **The surface shell kits are installed on the host kit.**
5. **Use the screw to fix the host.**
6. **Installation is complete.**
4.2 Mounting With Rainy Cover

1. Connect the cable correctly.
2. The rainy cover and main unit are installed on the wall.
3. The surface shell kits are installed on the host kit.
4. Use the screw to fix the host.
5. Installation is complete.

The distance between the top of main unit and rain cover should be not less than 3mm.

4.3 Placing Name Label

Move the plastic cover away to open the transparent name label cover, insert a name paper, then put the plastic cover back to the panel.

STEP 1
Unscrew the screws.

STEP 2
Replace name label.
5.1 Basic Connection

5.2 Electric Lock Connection

5.2.1 Door Lock Controlled with Internal Power

Note:
1. Electronic lock of Power-on-to-unlock type should be used.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from Exit Button (EB).
4. The Unlock Mode Parameter of Monitor must be set to 0 (by default).
5. When it connect Electronic lock, the jumper position in 2-3.
6. When it connect E-magnetic lock, the jumper position in 1-2.
5.2.2 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

5.2.3 Unlock parameter setting(set on monitor)

Note:
1. must connect DT602/602D correctly before setting.
2. the parameter will be saved in DT602/602D automatically, so you need only set on one monitor.
3. Here we take DT47M (the monitor) for example, please refer to the corresponding user manual.
5.3 Multi Doorstations Connection

4# Camera (Device Address:3)  3# Camera (Device Address:2)  2# Camera (Device Address:1)  1# Camera (Device Address:0)

100~240VAC

Impedance switch
5.4 Multi Monitors Connection

5.4.1 Basic IN-OUT Wiring Mode

NOTE: Here we take DT47M (the monitor) for example.
5.4.2 With DBC4A Wiring Mode

NOTE: Here we take DT47M (the monitor) for example.
6.1 ID Settings of Doorstation

Power-on within 5 seconds, press and hold "B" button for 3 seconds, and it will enter the setting the state of prepare.

Enter the setting the state of prepare within 5 seconds, press and hold "A" and "B" button for 3 seconds at the same time, it will enter the state of ID Settings of Doorstation.

Note: The ID of door station will circulate at DS1→DS2→DS3→DS4.

At this time press the "B" button once, it will be set to DS1; press the "B" button again, it will be set to DS2; press the "B" button a third time, it will be set to DS3; press the "B" button a fourth time, it will be set to DS4.

Note: Monitors response button A must set the user code from 0 to 15, and button B set the user code from 16 to 31.

Note: The ID of door station will circulate at DS1→DS2→DS3→DS4.
6.2 Unlock Delay Time Setting

Power-on within 5 seconds, press and hold "B" button for 3 seconds, and it will enter the setting state of prepare.

Enter the setting state of prepare within 5 seconds, press and hold "A" button for 3 seconds, it will enter the state of unlock delay.

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 delay time.

Note: During timing, the background indicator flashes once per second, tone beeps once per second. Less than one second by one second calculation.
6.3 Ringback Tone Setting

Power-on within 5 seconds, press and hold "B" button for 3 seconds, and it will enter the setting the state of prepare.

Enter the setting the state of prepare within 5 seconds, press and hold "B" button for 3 seconds, it will enter the state of ringback tone.

Note: The ringback tone will circulate at one ringtone → continuous ringtone → forbid ringtone.

At this time press the "B" button once, it will be set to one ringtone; press the "B" button again, it will be set to continuous ringtone; press the "B" button a third time, it will be set to forbid ringtone.
7. Cables Requirements

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach.

When 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 2x0.75 mm²</td>
<td>60</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>Twisted cable 2x1 mm²</td>
<td>80</td>
<td>80</td>
<td>40</td>
</tr>
</tbody>
</table>

When 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>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>Twisted cable 2x1.5 mm²</td>
<td>70</td>
<td>50</td>
<td>30</td>
</tr>
</tbody>
</table>

Note: If the monitor has been specified the distance, refer to the parameter.
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