2-WIRED VIDEO ENTRY SECURITY SYSTEM

Model: MY-1BD (Room station w/video monitor)

INSTRUCTIONS

1 NAMES AND FUNCTIONS

① Handset
② Chime tone volume control
③ Video monitor 4" CRT
④ DOOR RELEASE button
⑤ BACKLIGHT button
⑥ Video monitor button
⑦ Contrast switch
⑧ Brightness control

Mounting accessories:
- SCREW (2)
- WOOD SCREW (2)
- STAND & SCREW (2) (for desk use)
- MOUNTING BRACKET

2 FEATURES

* MY-1BD is a room master station with built-in video monitor for use with MY-CB video door station.
* Confirm a visitor visually before you answer.
* Picture comes on at video monitor right after CALL button is pressed on video door station.
* Employs a 4-inch direct view and flat screen monitor.
* MONITOR button allows you to see the outside without picking up handset.
* DOOR RELEASE button to activate electric door release.
* Infrared CCD camera clearly sees the image in the dark.
* BACKLIGHT button brightens the caller's face strongly backlit.
* Camera angle can be changed on MY-CB upon installation.
Installation

1. DO NOT CONNECT ANY TERMINAL ON ANY UNIT TO AC POWER LINES. When you mount MY-1BD unit in place of existing bell or chime, be sure to disconnect wires from the present transformer.

2. DO NOT OPEN THE FRONT COVER OF MY-1BD UNIT, WITHOUT FIRST REMOVING PLUG OF POWER SUPPLY FROM AC OUTLET. The high voltage is loaded on the monitor unit inside.

3. Do not drop or hit the unit. This may cause damage to the picture tube.

4. Avoid running the connecting wires through doors, windows or between furniture, which may pinch and disconnect the wires.

5. IMPORTANT —
   Use a parallel 2-conductor cable. When using existing two wires, strictly observe that the two wires are of the same cable. Do not use any of the following wires, as they will seriously affect the quality of picture and communication.
   - coaxial cable,
   - two separate and individual wires,
   - a pair in multi-conductor cable.

6. When surplus wire(s) exists in the cable between video door station and video monitor, it is possible that the picture quality would be interfered with. In that case, we suggest connecting a 120 ohm resistor at each end of surplus wire(s).

7. In case noise from power supply line is induced, take SG terminal on MY-1BD unit to earth ground.

8. Locate MY-1BD unit within convenient reach of AC outlet. DC output cord length: approx. 1.9 m (6.3”).
   Do not attempt to lengthen the DC output cord. It will seriously affect the quality of the picture and communication.

Installation location

9. Do not install MY-1BD unit in a place where it is exposed to:
   - direct sunlight,
   - air conditioner heat,
   - frost,
   - vapor,
   - water,
   - chemicals,
   - iron dust, etc.

Installation height

10. Determine MY-1BD installation height so that the center of the video monitor would be at the convenient eye level:
    adults’ average height minus 100 mm (4”).

Maintenance

11. Clean your MY-1BD equipment with a soft cloth dampened with neutral household cleanser. Never use lacquer thinner nor benzine, etc.

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4 SYSTEM COMPONENTS

<table>
<thead>
<tr>
<th>MODELS</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MY-CB</td>
<td>Video door station, w/plastic cover.</td>
<td>1 pce</td>
<td>Surface-mounts on single-gang box.</td>
</tr>
<tr>
<td>MY-1BD</td>
<td>Room master station w/video monitor.</td>
<td>1 pce</td>
<td>Surface-mounts on single-gang box (bracket included).</td>
</tr>
<tr>
<td>PS-18YC</td>
<td>Power supply adaptor, DC 18V.</td>
<td>1 pce</td>
<td></td>
</tr>
<tr>
<td>PS-18YD</td>
<td>AC 120V, 50/60 Hz.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AC 220-240V, 50/60 Hz.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IER-2</td>
<td>Call extension speaker</td>
<td>1 pce</td>
<td>Surface-mounts on single-gang box.</td>
</tr>
<tr>
<td>EL-9S</td>
<td>Electric door release, AC 12V, 0.35A</td>
<td>1 pce</td>
<td>Requires separate bell transformer.</td>
</tr>
</tbody>
</table>
5 INSTALLATION

(1) Wall mounting:

MY-1BD
MOUNTING BRACKET
SINGLE-GANG BOX
CONNECTING WIRES
SCREW (2)
DC OUTPUT CORD
PS-18YD/PS-18YC POWER SUPPLY

(2) Desk-top installation:

Select a location where MY-1BD does not fall or where the cable may cause tripping.

CONNECTING WIRES
STAND
Fix with two screws supplied.

6 WIRING DIAGRAM

MY-CB VIDEO DOOR STATION
MY-1BD MAIN ROOM STATION
IER-2 CALL EXTENSION
EL-9S DOOR RELEASE
BELL TRANSFORMER
DC receptacle
NON-POLARIZED
Unused
PS-18YD/PS-18YC POWER SUPPLY

Connect a power supply locally available, if used, instead of PS-18YD (or PS-18YC).

7 OPERATIONS

* Receiving a call;

A visitor presses CALL button.
Chime tone sounds and the image appears on the monitor (If not replied, the image goes off approx. after 45 seconds.)
Pick up handset to reply. If system shuts off, press MONITOR button to restore communication.
After communication, hang up handset. The image goes off.

— 3 —
7 OPERATIONS (continued)

* Adjusting backlight:
When a caller's face appears dark, press BACKLIGHT button to brighten the face.

* Monitoring door station:
The inside voice cannot be heard at door.

After identifying the visitor, press DOOR RELEASE button.
The visitor can open the door while the door release is being activated.
Hang up handset. The image goes off.

Press MONITOR button.
The image of entry area appears for approx. 2 minutes and half.
To cancel, press MONITOR button again. (or just leave it, and the image will go off in approx. 2 minutes and half).

Adjusting contrast:

<table>
<thead>
<tr>
<th>DAY-NIGHT</th>
<th>LEFT</th>
<th>MIDDLE</th>
<th>RIGHT</th>
<th>BRIGHTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SOFT</td>
<td>MEDIUM</td>
<td>STRONG</td>
<td></td>
</tr>
<tr>
<td>BOTTOM VIEW</td>
<td></td>
<td></td>
<td></td>
<td>LOWER</td>
</tr>
</tbody>
</table>

Adjusting brightness:

<table>
<thead>
<tr>
<th>DARKER</th>
<th>BRIGHT</th>
<th>LOWER</th>
</tr>
</thead>
</table>

Adjusting chime volume:

<table>
<thead>
<tr>
<th>TONE VOL.</th>
<th>LOWER</th>
<th>HIGHER</th>
</tr>
</thead>
</table>

8 SPECIFICATIONS

* Power source: DC 18V. Use a power supply PS-18YD (PS-18YC in N. America).
* Current consumption: Max. 0.9A. Standby 0.15A.
* Calling: 4-stroke electronic chime (w/sliding volume control).
* Communication: Simultaneous by handset.
* Wiring: Single pair, straight conductors.

* Distance:

<table>
<thead>
<tr>
<th>Diameter</th>
<th>AWG 22</th>
<th>18AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.65 mm</td>
<td>50 m</td>
<td>100 m</td>
</tr>
<tr>
<td>1.0 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Video monitor: 4" direct view CRT
* Scanning line: 525 lines
* Dimensions (H x W x D): 210 x 186 x 57.5 (mm); 8-1/4" x 7-1/4" x 2-1/4"
& weight: Approx. 1,100g (2.43 lbs.).

WARRANTY
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