Accessories

Access control

Features

• Two types of keypads are available.  
  AC-10S: Surface mount type  
  AC-10F: Flush mount type
• AC-10S matches JO-DV and JP-DV, color video door stations.
• Vandal resistant panel, zinc die cast, and tamper proof screws are included.
• Two independent relay outputs (N/O or N/C) are available. When same access code is programmed for both #1 and #2, two relays activate simultaneously.
• Programmable up to 100 access codes* 4, 5, or 6 digits in length.
  * #1: up to 60, #2: up to 40
• Keypad lockout: After too many incorrect access codes are attempted.
• Anti-tailgate: As soon as the door is closed after access is granted on #1, the door is locked even before programmed output time. Prevent sneak in.
• One push door release with external timer connection: While the external timer is on operation, access code is not required. Press “0” key only. Programmable #1 and/or #2.
• External output for alarming: When “Lockout” or “Forced entry” occurs, external output is available at #2.
• Two LED indicators show the status of the access control system.
• Illuminated keypad is easy to read.
• Audible key press

AC-10S
Vandal resistant access control keypad, surface mount

JO-DV, AC-10S → P.56

AC-10F
Vandal resistant access control keypad, flush mount

Power source
12-24V DC power supply
12-24V AC transformer

Features

• Activate door release (relay)
  By keypad

Enter ID

Orange

Beep

Green

By request to exit/entry button

Press button

#1

#2

The keypad is locked out after too many incorrect access codes are attempted.

Programmable

Incorrect access code: 10-99 times
Lockout time: 10-99 seconds
Blink keypad 4 times
Blink LED (orange) programmed period
Sound buzzer approx. 3 seconds

Anti-tailgate

Door sense switch

Enter ID for #1

Door is locked 1 second after door was closed even during relay on-time.

One push door release with external timer connection
During the timer is on operation

ON: 9AM-5PM
Press “0” key

Unlock
### Wiring

1. Relay #1 (Normally open)
   - AC-10S
   - #1 Electric door strike
   - 300m (18V - 24V AC/DC, 0.65 - 1.0mm)
   - 300m / 1.0mmØ

2. Relay #1 (Normally closed) & Relay #2 (Normally open)
   - AC-10S
   - #1 Electromagnetic door strike
   - 300m (18V - 24V AC/DC, 0.65 - 1.0mm)
   - 300m / 1.0mmØ

### Specifications (AC-10S, AC-10F)

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<tr>
<th>Feature</th>
<th>Details</th>
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<td>Power source</td>
<td>12 - 24V AC or 12 - 24V DC</td>
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<td>Relay consumption</td>
<td>Max. 100mA</td>
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<tr>
<td>Relay Output</td>
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<td>Contact rating</td>
<td>24V AC/DC, 3A (resistive load), 1A (inductive load)</td>
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<td>Operating time</td>
<td>From 1 second to 99 seconds</td>
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<tr>
<td>Access code</td>
<td>Number: Up to 100 (#1: 60, #2: 40)</td>
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<tr>
<td>Code length</td>
<td>From 4, 5, or 6, (0 - 9, A, B)</td>
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<tr>
<td>Access control – Power source</td>
<td>100m (12V – less than 18V AC/DC, 0.65 – 1.0 mm)</td>
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<tr>
<td>Access control – Request to exit button</td>
<td>300m (0.65 – 1.0 mm)</td>
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<tr>
<td>Wiring</td>
<td>Two conductors</td>
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<td>Access control – Power source:</td>
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<tr>
<td></td>
<td>100m (12V – less than 18V AC/DC, 0.65 – 1.0 mm)</td>
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<td></td>
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<tr>
<td></td>
<td>300m (0.65 – 1.0 mm)</td>
</tr>
<tr>
<td>Environment</td>
<td>Weather resistant (IP54 equivalent)</td>
</tr>
<tr>
<td>IP rating</td>
<td>IP54</td>
</tr>
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</table>

### Unit dimensions

- AC-10S
- AC-10F
- JO-DV + AC-10S
**Accessories**

**Call extension**

**Features**
• Announces (chime) call tone only, adjustable
• Indoor mounting

**Used for**
JP-4MED, JO-1MDW, JO-1MD, JO-1FD
DB-1MD
IE series
TC-M
NIM

**Unit dimensions**

![Call extension unit dimensions](image)

**Door release**

**Features**
• Door release activation, momentary or talk line-controlled

**Used for**
JP-4MED, JO-1MDW, JO-1MD, JO-1FD
AX
DA-1DS, C-123L/A
DA-2DS, DA-4DS
IE-1AD(U), IE-1GD(U)
IE-2A2DU, IE-2AD(U), IE-8MD
LEM-1DL
LEF, LEF-C (via RY-PA)
TB-ADD
TD-H/B (via DE-UR)

**Specifications (EL-12S)**
- Power source & Consumption: 12V AC, 125mA
- 12V DC, 200mA

**Specifications (RY-PA)**
- Power source: 12V DC
- Relay contact rating: 110V AC, 1A
  - 24V DC, 1A

**Relay**

**Features**
Intercom station can be signaled by external device via RY-AC/A relay. External device will be activated momentarily as long as the call signal on the intercom is activated.

**Used for**
IE-8MD, LEF
TB-H/B

**Unit dimensions**

![Relay unit dimensions](image)

**Door release relay**

**Features**
External signaling relay

**Specifications (RY-AC/A)**
- Power source: 12V DC, supplied by power supply of system or trunk line.
- Contact rating: 0.3A, 240V AC; 1.0A, 24V DC

Bell, buzzer, etc. must be AC operated or DC mechanical type only.
Power Supplies

15V AC

**Specifications (PT-1211CA)**
- Input voltage & Capacity: 120V AC, 60Hz.
- Output voltage: 15V AC

**Specifications (PT-1211DR)**
- Input voltage & Capacity: 230V AC, 50/60Hz.
- Output voltage: 15V AC

**Unit dimensions**

**Used for**
- DA-1MD, DB-1MD, DB-1SD

6V DC

**Specifications (PS-0602C)**
- Input voltage & Capacity: 120V AC, 50/60Hz.
- Output voltage: 6V DC, 0.2A

**Specifications (SKK-620C)**
- Input voltage & Capacity: 120V AC, 60Hz.
- Output voltage: 6V DC, 0.2A

**Unit dimensions**

**Used for**
- C-123L/A, LEM, AT-406

48V DC

**Specifications (PS-0602DM)**
- Input voltage & Capacity: 230V AC, 50/60Hz.
- Output voltage: 6V DC, 0.2A

**Unit dimensions**

**Used for**
- NIM

- Either rack-mounting (into 19 inch rack) or wall-mounting is possible by using the optional IS-RACK.

**Specifications**
- Input voltage & Capacity: 100V-240V AC, 50/60Hz.
- Power consumption: 120W
- Output voltage: 48V DC, 2.1A
Power Supplies

12V DC

Used for
(PS-1208S, PS-1208UL, PS-1208BF)
LEF, LEF-C

Specifications
(PS-1208S, PS-1208UL, PS-1208BF)
Input voltage & Capacity 100V-240V AC, 50/60Hz., 21-33VA
Output voltage 12V DC, 0.8A

Used for
(PS-1225S, PS-1225UL, PS-1225BF, PS-1225DM, PS-1225-O)
RY-3DL, IE-1AD(U), IE-1GD(U), IE-2A2DU, IE-2AD(U), IE-8MD, LEM-1DL, BG-10C, TD-H/B

Specifications
(PS-1225S, PS-1225UL, PS-1225BF, PS-1225-O)
Input voltage & Capacity 100-240V AC, 50/60Hz., 75-90VA
Output voltage 12V DC, 2.5A

Specifications (PS-1225DM)
Input voltage & Capacity 230V AC, 50/60Hz.
Output voltage 12V DC, 2.5A

18V DC

Used for
JO-1MDW, JO-1MD, JO-1FD, IE-8MD, TC-M, RY-3DL

Specifications
(PS-1820S, PS-1820UL, PS-1820BF, PS-1820-O)
Input voltage & Capacity 100V-240V AC, 50/60Hz., 85-105VA
Output voltage 18V DC, 2A

Specifications (PS-1820DM)
Input voltage & Capacity 230V AC, 50/60Hz.
Output voltage 18V DC, 2.0A
24V DC

Unit dimensions

Used for

Specifications
(PS-2420S, PS-2420UL, PS-2420BF, PS-2420-O)

- Input voltage & Capacity: 100-240V AC, 50/60Hz., 110-140VA
- Output voltage: 24V DC, 2A

Specifications (PS-2420DM)

- Input voltage & Capacity: 230V AC, 50/60Hz.
- Output voltage: 24V DC, 2.0A