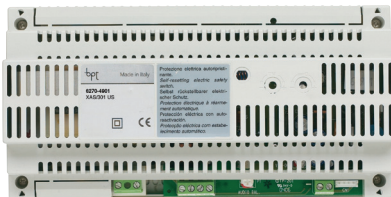


## Ophera Video Entry System Power Supplies and Controls

### APPLICATION

The Ophera Video Entry System integrates high quality color video and audio components in a stylish combination intended to complement any décor. A wide range of appealing and innovative features makes Ophera the recognized choice for moderate-sized MDU and custom residential projects. The system operates independent of data networks using proven analog technology.



BC100-0VA



BC100-VAS

### FEATURES

- Provides power and communications (audio, video, and data) between BC100-0VA and receivers using just two wires
- BC100-VAS provides local power for receivers, entry panels, and amplified video distributor (BC200-AVD)
- Line Repeater (BC100-XAS) allows for extended distance between entry panels and Ophera receivers
- Intercom selector (BC300-VSE) allows for up to 8 receivers to be established as an intercom group within an apartment or suite
- All receivers ring for incoming calls from an entry panel, and audio-only room-to-room calls from within the apartment or suite are possible

### DESIGN CONSIDERATIONS

**NOTE: Power supplies must be installed in a metal fire enclosure and must be connected to a branch circuit with a 20A maximum circuit breaker**

- Power supplies require input voltage of 120-127VAC @ 60Hz
- Transformers are electronically protected against overloading and short circuiting (i.e. no fuses are used)
- A single control unit and power supply (BC100-0VA) can supply power for one video entry panel (BT102-01G), one digital keypad panel (BT200-DPG), and all Ophera receivers (BR200-00W), provided only one receiver is used per apartment or suite
- A supplemental power supply (BC100-VAS) is required for each additional entry panel (BT102-01G alone or paired with BT200-DPG)
- Supplemental power supplies (BC100-VAS) are required for multiple Ophera receivers within an apartment or suite (intercom group)

### STANDARDS COMPLIANCE

Meets or exceeds all applicable standards:

- CE
- FCC Part 15

### TECHNICAL SPECIFICATIONS

See page 2.

### COUNTRY OF ORIGIN

Italy

### WARRANTY INFORMATION

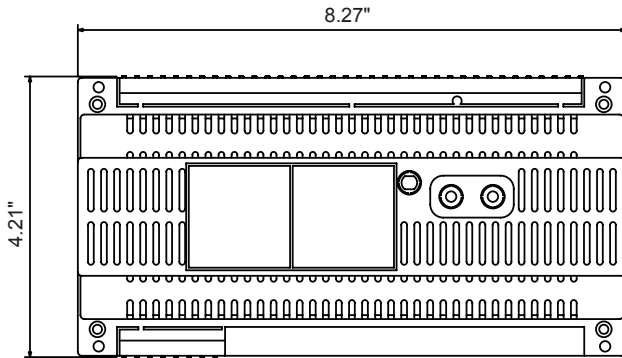
For a copy of Leviton product warranties, visit [www.leviton.com](http://www.leviton.com).

### PART NUMBERS

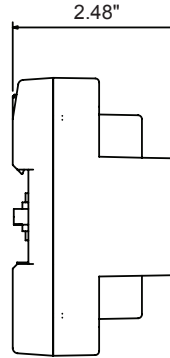
| Description   | Part No.  |
|---|-----------|
| Control unit and power supply, 120-127V, 60Hz, (12 DIN) | BC100-0VA |
| Supplemental power supply, 120-127V, 60Hz, (8 DIN)      | BC100-VAS |
| Line repeater, 120-127V, 60Hz, (12 DIN)                 | BC100-XAS |
| Intercom selector, 120-127V, 60Hz, (8 DIN)              | BC300-VSE |

**ELECTRONIC FILES**

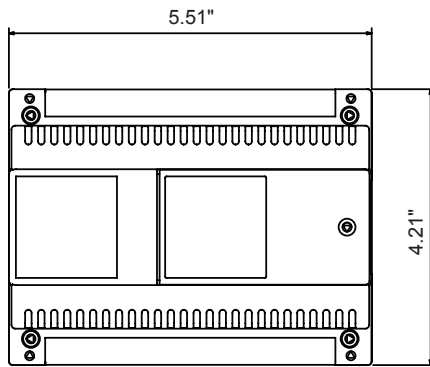
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit [www.leviton.com](http://www.leviton.com).



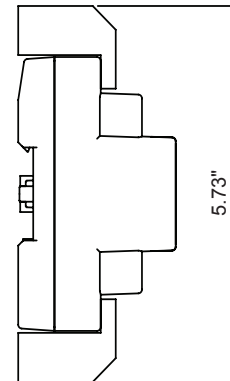
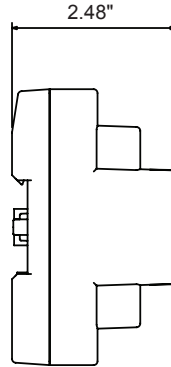
BC100-0VA, BC100-XAS



All components include screw covers



BC100-VAS, BC300-VSE



**BC100-XXX, BC300-VSE**

**TECHNICAL SPECIFICATIONS**

**Electrical**

|                                  |   |
|----------------------------------|---|
| Supply Voltage                   | 120-127 VAC @ 60Hz  |
| Output Voltage (to entry panels) | BC100-0VA: 18VDC  |
| Output Voltage (to receivers)    | BC100-VAS: 17.5 VDC @ 1.7A<br>BC100-0VA and BC300-VSE: 20 VDC (bus) |

**Mechanical**

|            |  |
|------------|--|
| Dimensions | BC100-0VA: 8.27" x 4.21" x 2.48" (210 mm x 107 mm x 63 mm)<br>BC100-VAS: 5.51" x 4.21" x 2.48" (140 mm x 107 mm x 63 mm)<br>BC100-XAS: 8.27" x 4.21" x 2.48" (210 mm x 107 mm x 63 mm)<br>BC300-VSE: 5.51" x 4.21" x 2.48" (140 mm x 107 mm x 63 mm) |
|------------|--|

**Environmental**

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature | 32° F to 95° F (0° C to 35° C) |
|-----------------------|--------------------------------|

