

# BDV

## Voice Annunciator



87 dB at 1m

63 Second

IP54  
Upright direction only.

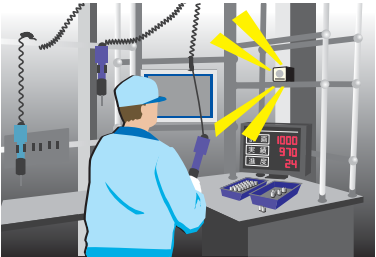
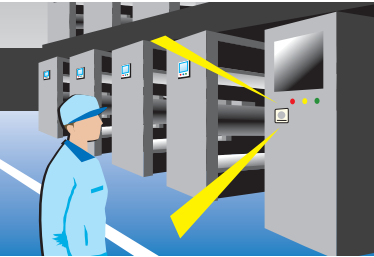
NPN  
Open Collector



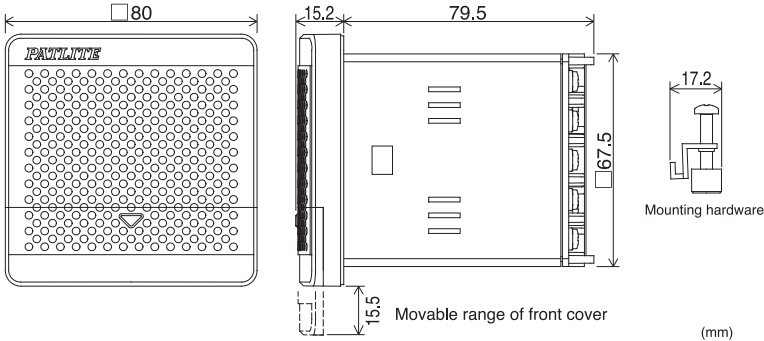
Excellent sound quality with MP3 playback! This panel-mounted MP3 voice annunciator uses SD cards,\* allowing messages to be changed easily.

\* SD card not included.

- Only Flush-mounting style available.
- Able to produce a loud sound of up to 87 dB (at 1m) despite its compact size
- A volume control on the front panel provides an easy way to adjust the sound volume.
- The use of an SD card allows message changes without dis-mounting the device.
- Environmentally friendly since the unit complies with the EU RoHS Directives.
- Several playback modes are available for various applications.
- Includes binary input as a standard option for selecting up to 15 messages.
- Supports input selection using NPN open-collector transistor.
- The unit complies with EU Directives and includes the CE mark (BDV-15JF only)
- Two colors are available for selecting the best color match for the installation.
- Protection rating: IP54 (only the front panel when flush-mounted)



### Dimensions



Note: See page 177 for wiring diagram

### How to Order

| BDV-15JF-J      |                |
|-----------------|----------------|
| Rated Voltage   | Color          |
| J: 12-24V DC    | J: Ivory White |
| K: 100V/220V AC | K: Dark Gray   |

### BDV Type

| Model    | Rated Voltage | Voltage Range              | Power Consumption | Volume           | Voice File                                                          | Relative Humidity              | Maximum Playing Time | Number of playing messages         | Protection Rating          | Mass   |
|----------|---------------|----------------------------|-------------------|------------------|---------------------------------------------------------------------|--------------------------------|----------------------|------------------------------------|----------------------------|--------|
| BDV-15JF | 12-24V DC     | 10.8V~26.4V DC             | 4W                | Max 87dB (at 1m) | MPEG1-Audio Layer (mp3)<br>Standard bit rate : 64kbit/s, Fs=44.1kHz | -10 ~ +50<br>(Less than 85%RH) | 63sec.               | 4 (Bit input)<br>15 (Binary input) | IP54<br>When flush mounted | 0.22kg |
| BDV-15KF | 100/220V AC   | 100V AC±10%<br>220V AC±10% | 5W                |                  |                                                                     |                                |                      |                                    |                            | 0.34kg |

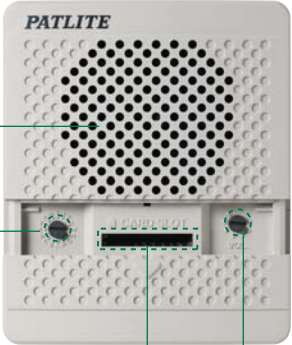
\* Actual sound level will depend on sound type and operating conditions.

### Sound Selection Charts

● Mode Selector Switch

Several playback modes are available for various applications.

|   |                                                       |                                                                                                                                                                                                                          |
|---|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Bit input mode                                        | Plays back up to 4 messages using Channels 1 to 4                                                                                                                                                                        |
| B | Binary input mode                                     | Plays back up to 15 messages using Channels 1 to 4                                                                                                                                                                       |
| C | Bit input/<br>volume reduction<br>mode                | Plays back up to 3 messages using Channels 1 to 3<br>When Channel 4 receives an input, the volume is reduced by about 10 dB.                                                                                             |
| D | Binary input/<br>volume reduction<br>mode             | Plays back up to 7 messages using Channels 1 to 3<br>When Channel 4 receives an input, the volume is reduced by about 10 dB.                                                                                             |
| E | Bit input/<br>prioritized-message<br>playback mode    | Plays back up to 4 messages using Channels 1 to 4<br>If an audio message is input while another audio message is being played back, the current playback is stopped and the most recently input message is played back.  |
| F | Binary input/<br>prioritized-message<br>playback mode | Plays back up to 15 messages using Channels 1 to 4<br>If an audio message is input while another audio message is being played back, the current playback is stopped and the most recently input message is played back. |
| G | Bit input/<br>held-message<br>playback mode           | Plays back up to 4 messages using Channels 1 to 4<br>An audio message can be played back only while the input is held.<br>The playback is stopped when the input ends.                                                   |
| H | Binary input/<br>held-message<br>playback mode        | Plays back up to 15 messages using Channels 1 to 4<br>An audio message can be played back only while the input is held.<br>The playback is stopped when the input ends.                                                  |
| I | P                                                     | Test playback                                                                                                                                                                                                            |



- Up to 87dB at 1 m  
Able to produce a loud sound of 87 dB (at 1 m) despite being a slim, embedded-type annunciator.
- Volume control  
Volume can be adjusted from the front.
- Memory card slot  
Using an SD card allows for changing messages while leaving the unit mounted.

#### Options

**PATLITE Playlist Editor (Free version)**  
(OS:Windows® 2000/XP/Vista)  
> PATLITE Playlist Editor software is required to change the audio message data.  
> The SD card does not contain the Playlist Editor or any audio messages.

**SD card (128 MB)**  
SDV-128P

