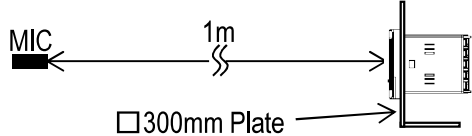
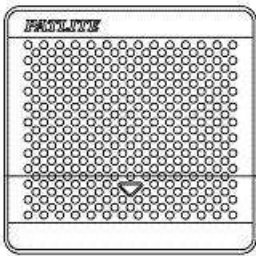
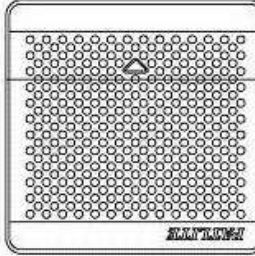
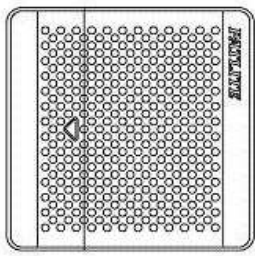


SPECIFICATIONS

Model	BDV-15JF	BDV-15KF
Rated Voltage	12-24V DC	100V / 220V AC 50/60Hz
Operating Voltage Range	10.8-26.4V DC	100V AC $\pm 10\%$ / 220V AC $\pm 10\%$
Power Consumption	Max. 4W	Max. 5W
Sound Pressure Level	87dB or more Measured Sound: -6dB 1kHz Sine Wave <div style="text-align: right;">  □300mm Plate Measurement Diagram </div> * Sound pressure level may be lower, depending on the message and surrounding environment.	
Volume Control	Adjustable range: Min ~ Max	
Voice File	MPEG1-Audio Layer III (MP3) Standard Bit Rate: 64kbit/s, Fs=44.1kHz	
Maximum Playing Time	63sec. (Playback at Standard Bit Rate)	
Internal Memory Size	504kByte (MP3 data total)	
Voice Rewrite Interface	SD Card Recommended SD Card: SDV-128P (Sold Separately)	
File Format	FAT16	
Method of Signal Input	Pulse Input Width 100ms or more	
CH Input	Bit Input: Play Mode A,C,E,G Binary Input: Play Mode B,D,F,H	
Playback Messages	Bit Input: 4 / Binary Input: 15	
Warm-up Time	Signal Line Startup: 300ms or less; Power Supply Startup: 500ms or less	
CH Priority	CH4 > CH3 > CH2 > CH1 (Bit Input Mode Only)	
Operating Temperature Range	-10 ~ +50°C	
Relative Humidity	85%RH or less (No dew or condensation)	
Mounting Direction	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  Upright Indoor: Y / Outdoor: Y </div> <div style="text-align: center;">  Inverted Indoor: Y / Outdoor: N </div> <div style="text-align: center;">  Sideways Indoor: Y / Outdoor: N </div> </div> <p style="text-align: center;">Mounting Angle is vertical only. (Only upright when water splashes)</p>	
Protection Rating	IP54 (Upright direction only)	
Insulation Resistance	1MΩ or more (at 500V DC) between current-carrying and non-current-carrying part .	
Withstand Voltage	500V AC (1 minute) 1500V AC (1 minute) (Between current-carrying and non-current-carrying part)	
Vibration Resistance	Upright direction mounting : 19.6m/s ² 30Hz Right to Left: 2h, Front to Back: 2h, Up and Down: 2h	
Mass	220g $\pm 10\%$	340g $\pm 10\%$

BDV-15-W18C-1_3

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SPECIFICATIONS

Play Mode (Operation Mode Switch Setting)

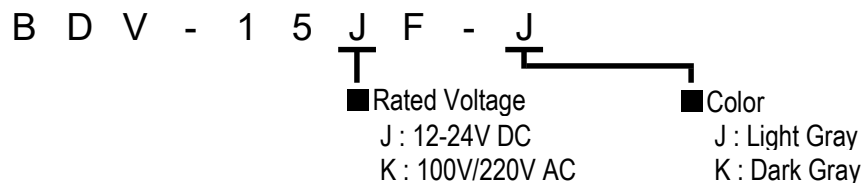
Factory Default : Group A (When message registration is up to 4) / Group B (When message registration is 5 or more)

A Bit Input Mode	CH input : CH1 - CH4 Playback Messages: 4
B Binary Input Mode	CH input : CH1 - CH4 Playback Messages: 15
C Bit Input - Sound Reduction Mode	CH input : CH1 - CH3 Playback Messages: 3 CH4 : Input reduces the volume by 10dB.
D Binary Input -Sound Reduction Mode	CH input : CH1 - CH3 Playback Messages: 7 CH4 : Input reduces the volume by 10dB.
E Bit Input - Priority Input Mode	CH Input: CH1 to CH4 Playback Messages: 4 When one of the signal wires between CH1 to CH4 are entered for a bit input and an input message is entered during message playback, the message will interrupt the message being played. Even if the input is held down, the message playback will be reproduced only once, and there is no priority input order.
F Binary Input - Priority Input Mode	CH Input: CH1 to CH4 Playback Messages: 15 When one of the signal wires between CH1 to CH4 are entered for a binary input and an input message is entered during message playback, the message will interrupt the message being played. Even if the input is held down, the message playback will be reproduced only once, and there is no priority input order.
G Bit Input - Hold Playback Mode	CH Input: CH1 to CH4 Playback Messages: 4 When the signal wires from CH1 to CH4 for a bit input are held when short-circuited to the common wire, the message will repeat until the signal wire is removed from common. Once the input is lost, the playback will stop.
H Binary Input - Hold Playback Mode	CH Input: CH1 to CH4 Playback Messages: 15 When the signal wires from CH1 to CH4 for a binary input are held when short-circuited to the common wire, the message will repeat until the signal wire is removed from common. Once the input is lost, the playback will stop.
I ~ P Test mode	The Message No.1 plays.
Conformity Standards (BDV-15JF)	RoHS Directive (EN 50581) EMC Directive (EN 55011, EN 61000-6-2)

Notes

- Conforms to the CE requirements. (BDV-15JF)
- There are no contents of controlled substances exceeding the threshold for the RoHS Directive. (BDV-15KF)

Model Number Configuration

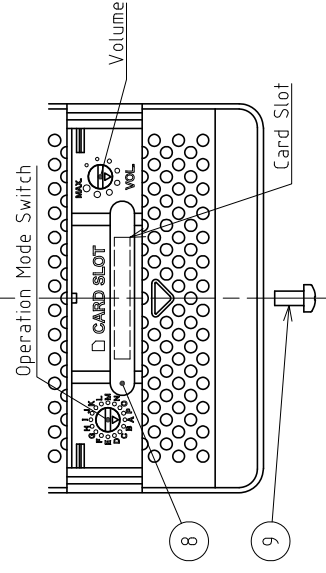
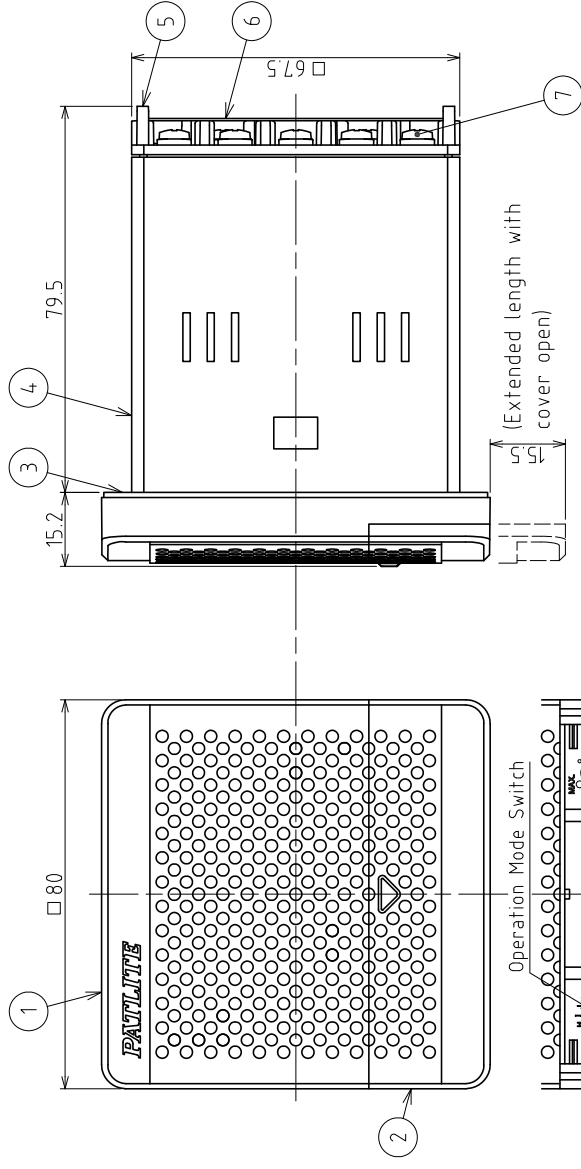


Caution on Copyright

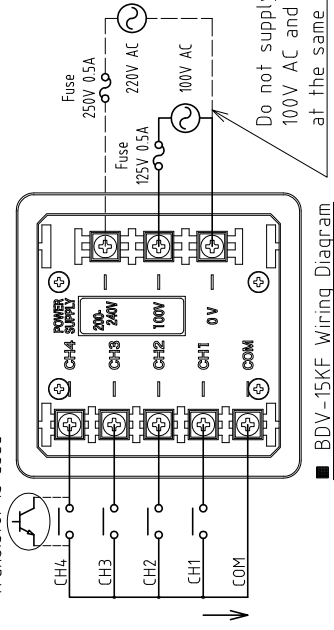
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BDV-15-W18C-2_3

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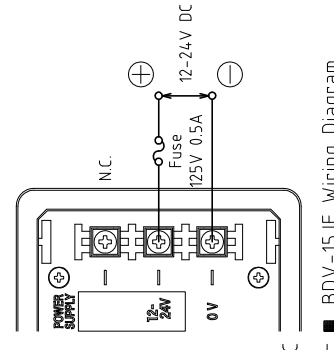


Wiring when NPN transistor is used



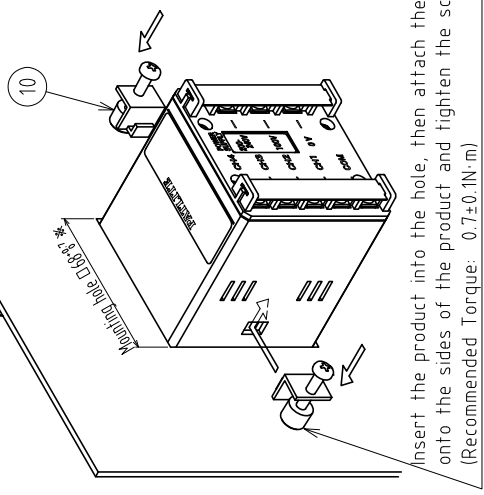
Signal Line Contact Capacity	
Current Capacity	10mA or more
Withstand Voltage	20VDC or more
Leakage Current	0.1mA or less
ON Voltage(Vsat)	1V or less

* Do not apply voltage to the Signal Line.
Failure to do so may damage the product.



■ BDV-15JF Wiring Diagram
(The signal line is the same as BDV-15KF)

Mounting Board Thickness
1~10mm



* Mounting hole dimension complies with IEC-61554(DIN-43700).

How to Install

No.	Part Name	Part No.	数量	Material & Size & Finish	Remarks
10	Mounting Angle	-	2		
9	+Pan Head Screw	-	1		
8	Slot Waterproof Rubber	-	1		
7	+Pan Head Screw With Square Washer	-	8		
6	Terminal Cover	-	2		
5	Rear Cover	-	1		
4	Case	-	1		
3	Waterproof Sheet	-	1		
2	Front Cover	-	1		
1	Front Panel	-	1		
番号	部品名	品目コード	数量	材料 & 寸法 & 処理	記事
No.	Part Name	Part No.	Qty.	Material & Size & Finish	Remarks

Outer Dimension Drawing	
株式会社 パトライト	
PATLITE Corporation	
BDV-15-W180-3_3	