

## JD20B-IP

The JD20B-IP is a 20 W IP speaker for voice, paging, intercom, music streaming, audio routing, pre-recorded and scheduled announcement, VoIP communication or as the SIP endpoint where network-wide communication is desired and high-output loudspeakers are required to overcome high ambient noise and/or large spaces.

The JD20B-IP incorporates 3 control inputs for level control and source selection (using the RAC 5/8 controllers), 1 contact output for triggering events. To configure, control, monitor the IP speakers in real-time, this can be easily done through your favorite web browser interface, making the management even the most complex environments simpler than ever.



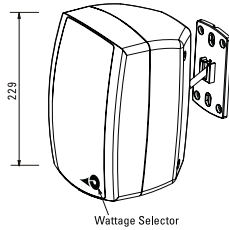
<b>● Certifications</b>		EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3
<b>● Electrical</b>		
Rated power, Watts		20
Effective Frequency Range, Hz (BS EN 60268-5)		63 – 20,000
S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz		84
S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz		97
Dispersion at 1k/2k Hz, Degrees		180/100
Power supply		PoE+ 24 VDC power transformer (18-24 VDC), minimum power supply: 2 A
<b>● Environmental</b>		
IP Rating		n/a
Min/Max Ambient Temp		-10°C to 55°C
Relative Humidity		≤75%
<b>● Mechanical</b>		
Dimensions, front & depth, mm		146 x 229 x 150
Net weight, kg		2.43
Colour/Finish		Black
Material		ABS moulded housing
Mounting		Die-cast Aluminium Swivel Bracket
<b>● Features</b>		
Configured, controlled, managed and monitored via web browser		
3 control inputs for level control and source selection using the RAC 5/8 controller		
1 relay contact output		
Network audio codec: G.711, G.722, WAV, mp3		
3rd party control with TERRACOM system		
Support VoIP call via SIP protocol		



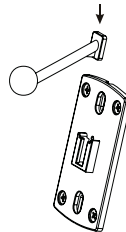
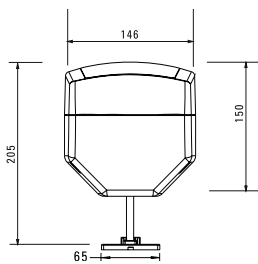
# INSTALLATION GUIDE

## JD20B-IP

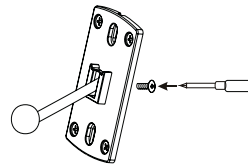
Side view  
(unit: mm)



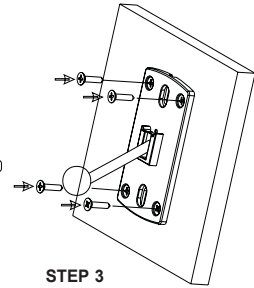
Top view  
(unit: mm)



STEP 1



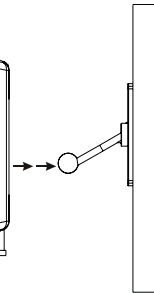
STEP 2



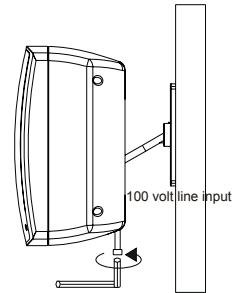
STEP 3

Volume selector switch can be found in the centre of the Penton Logo

STEP 4

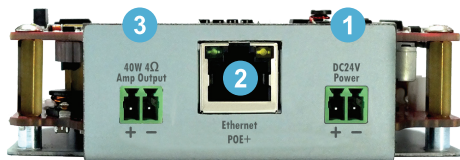


**ATTENTION**  
DO NOT OVERTIGHTEN

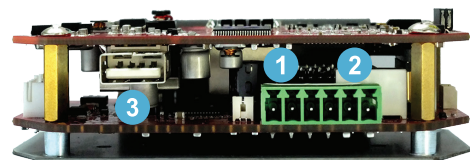


STEP 5

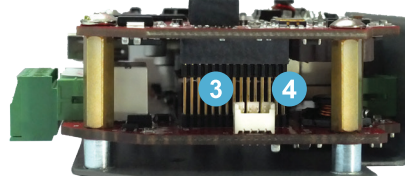
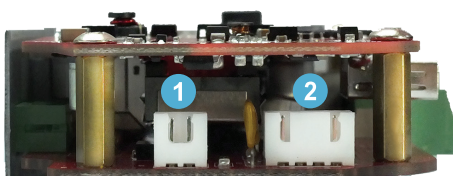
## SPEAKER CONNECTIONS



1. 24 VDC power input
2. RJ45 connector Ethernet
3. Speaker connection - 1 channel 20 W



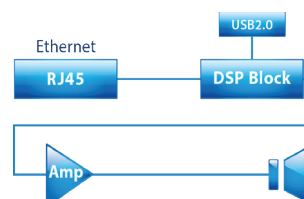
1. 3 logic control inputs
2. 1 contact output
3. USB interface (function reserved - Not available)



1. LED strobe connector (+ -)
2. Clock module interface
3. Power LED (+ -)
4. Status LED (+ -)

Only the RJ45 connector is available without opening the enclosure of the speaker. For other connectors, it is necessary to open the enclosure.

## FUNCTION BLOCK



Disclaimer: We reserve the right of changes and errors.



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