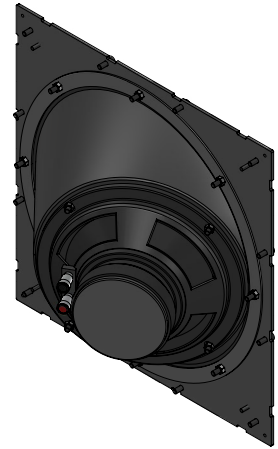
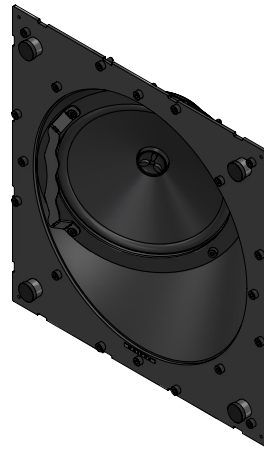
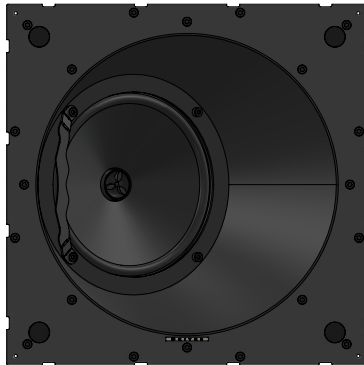
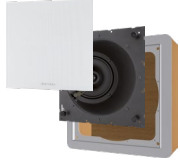




Concrete wall



### SCAN OR CLICK TO EXTEND YOUR GARVAN WARRANTY FOR FREE!

3 years included, with the option to add  
2 extra years at no additional cost.

## OVERVIEW DESCRIPTION – UNIQUE DESCRIPTION PRODUCT

Coaxial Inclined, in-wall and in-ceiling 6.5" (160 mm), 100 W max, coaxial speaker with steel mounting frame and speaker body, designed for optimal performance and durability, even in harsh environments. This product supports recessed installation with various integration solutions, including FiloMuro™, suitable for plasterboard and masonry walls. The speaker is internally inclined by 30° and can be rotated 360° this allows for installation and later adjustment of the focus point. The 6.5" (160 mm) coaxial speaker features a magnetic assembly treated with cataphoresis to ensure corrosion resistance, a treated cellulose cone, a rubber surround, and a 0.5" (14 mm) neodymium tweeter concentrically aligned with the woofer for balanced, linear sound throughout the frequency range and excellent intelligibility of vocals. Connection to the amplifier is via spring-loaded terminals that can accommodate cables up to AWG14 gauge. The aesthetic cover is securely fastened by powerful neodymium magnets. The aesthetic cover is securely attached by powerful neodymium magnets. The grille cover can be customized in various materials, including perforated steel that can be painted white tinted or prepainted according to RAL or NCS codes and even treated with galvanic effects. In addition, fabric covers can be used, which are available in a wide selection of textures and colors as shown in Garvan's sample books.

## KEY FEATURES

**3" (76 mm) Full-Range Driver**  
Delivers clear, natural sound with excellent speech intelligibility.

**Compact Power**  
80 W max output and up to 111.5 dB SPL @ 1 m.

**Wide Frequency Range**  
Covers 88 Hz – 20 kHz (-10 dB), suitable for background music and paging.

**Narrow Grille Design (30 mm)**  
Slim visible frame for minimal visual impact.

**Steel Frame + Marine-Grade Backbox**  
Durable construction ideal for long-term installations, even in humid conditions.

**FiloMuro™ Masonry Installation**

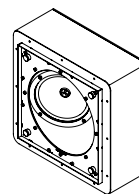
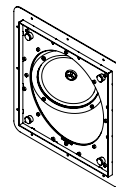
**Flush-mount system** for perfect integration in plastered brick or concrete walls.

**EasyFit™ System**  
Tool-free installation on various surfaces (drywall, wood, metal, porcelain) 4–40 mm thick.

**Custom Aesthetic Integration**  
Interchangeable cover available in paintable steel, galvanic finishes, prints, or acoustic fabrics.

**Neodymium Magnetic Grille**  
Ensures fast, secure and invisible grille attachment.

**Extended Warranty**  
Includes 3+1+1 years of coverage, extendable at no additional cost.



INSTALLATION NAME	Flush-Mount™ Plasterboard	Flush-Mount™ Concrete wall
Installation Type	In Wall / In Ceiling Speaker, free air	In Wall / In Ceiling Speaker, Closed box
Surface Compatibility	Suitable for installation in Plasterboard, wooden panels, modular panel, and similar.	Suitable for installation in Concrete Wall and similar.
Installation Requirements	Required support thickness: 12,5- 25mm	Minimum required wall thickness: 90mm
<b>SINGLE LOUDSPEAKER PERFORMANCE</b>		
AES Power Handling	50 W	50 W
Continuous Power Handling ***	100 W	100 W
Sensitivity 2,83V / 1m ****	91 dB	91 dB
Sensitivity 1W/1m ****	91 dB	91 dB
Calculated Maximum SPL @ 1m*	120 dB	120 dB
<b>TRANSDUCER</b>		
Type	Coaxial	Coaxial
Nominal size	WF 160 mm + TW 14mm	WF 160 mm + TW 14mm
Nominal Impedance	8Ω	8Ω
Loudspeaker EQ	Not required, Garvan Preset EQ, Filter and protection available	Not required, Garvan Preset EQ, Filter and protection available
Recommended High-Pass Filter Protection	60 Hz with 48 dB/ Oct. Hight pass Filter	55 Hz with 48 dB/ Oct. Hight pass Filter
Frequency Response (-3 dB)	80 Hz - 20 kHz **	84 Hz - 20 kHz **
Frequency Range (-10 dB)	60 Hz - 20 kHz	56 Hz - 20 kHz **
Nominal Coverage Angle (1 KHz - 4 kHz)	90°	90°
Nominal Coverage (1 KHz – 10 kHz)	90°	90°
<b>PHYSICAL</b>		
Frame Material	zinc-plated metal	"zinc-plated metal + phenolic multilayer wood"
Speaker support Material	Lacquered or galvanic metal support	Lacquered or galvanic metal support
Cover	Lacquered or galvanic metal Grille/ Brushed stainlenss steel Grille / Fabric covered frame.	Lacquered or galvanic metal Grille/ Brushed stainlenss steel Grille / Fabric covered frame.

ENVIRONMENTAL FEATURES			
Enviropment of Use		Indoor environments	Indoor environments
Operating Temperature Range *****			
environmental protection.			
Connectors		Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm <sup>2</sup> ) to 15 AWG (2,08 mm <sup>2</sup> ) size wire.	Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm <sup>2</sup> ) to 15 AWG (2,08 mm <sup>2</sup> ) size wire.
Maximum Ceiling Thickness			
Product Dimensions			
Ceiling Cutout			
Net Weight, Frame			
Net Weight, Loudspeaker			
Net Weight, Cover			
LOGISTICAL DATA			
Packaging dimensions			
Shipping Weight			
Quantity of products per package		1 to 2 based on logistics optimization per shipment	1 to 2 based on logistics optimization per shipment
MAINTENANCE			
Cleaning Method		microfiber cloth	microfiber cloth
General precautions		do not use harsh cleaning products	do not use harsh cleaning products
INCLUDED ACCESSORIES			
		Jig set	Jig set
OPTIONAL ACCESSORIES			
Transformer for hight line voltage		TRT052 - 70/100V - 25/37/50W	TRT052 - 70/100V - 25/37/50W
Transformer for hight line voltage		TRT054 - 70/100V - 10/15/20W	TRT054 - 70/100V - 10/15/20W
Cover installation kit		GAR136	GAR136
Sound-absorbing material kit for installation			
<b>Cable size/load</b>	<b>8 ohm</b>	<b>4 ohm</b>	<b>2 ohm</b>
2 sq mm.	20m / 65ft.	10m / 32ft	5m / 16ft
2,5 sq mm.	30m / 100ft.	15m / 50ft	7,5m / 25ft
4 sq mm.	60m / 200ft.	30m / 100ft	15m / 50ft

#### NOTES:

\* Maximum SPL calculated from sensitivity and power handling specifications, using a signal with crest factor 4 (12dB), exclusive of power compression.

\*\* With dedicated preset

\*\*\* Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

\*\*\*\* average SPL measured from 200 Hz to 1,5 kHz

\*\*\*\*\* With dedicated ignition and maintenance process

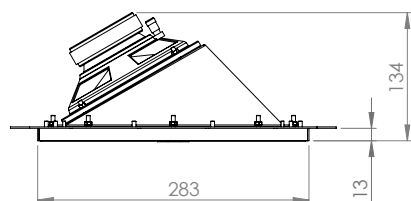
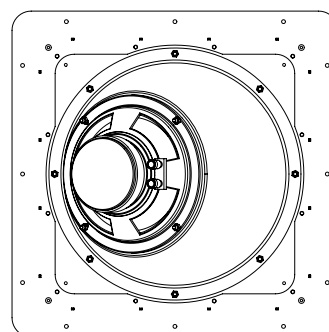
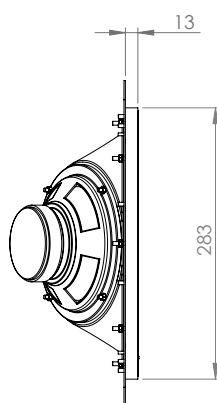
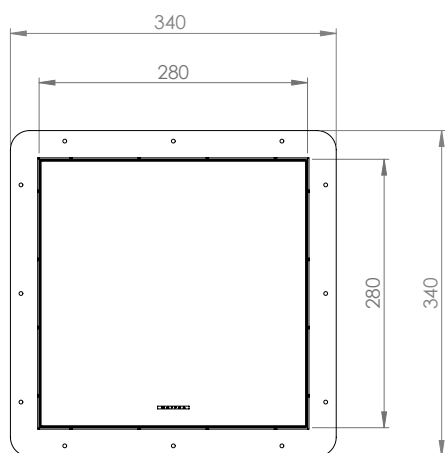
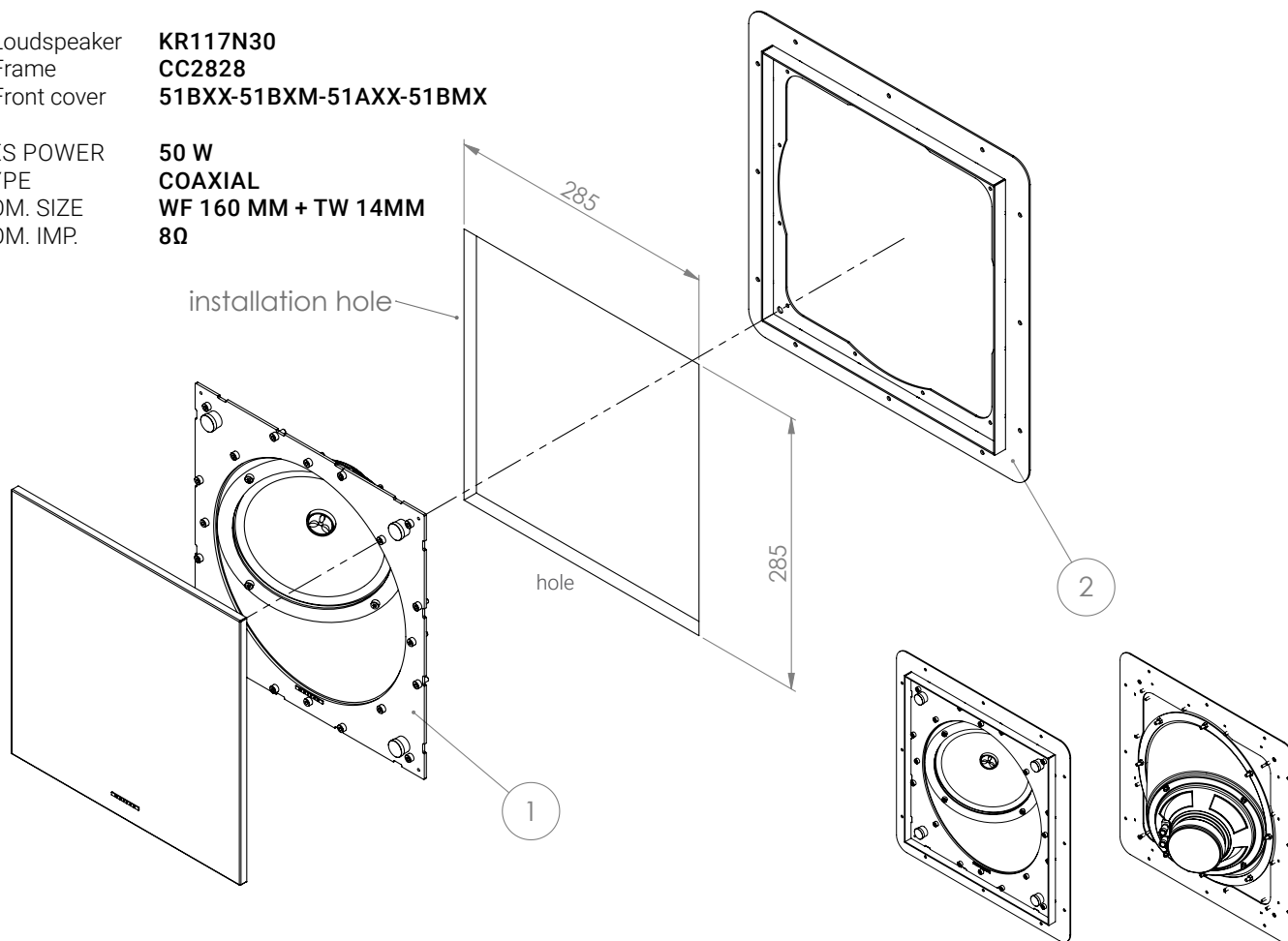
# KR117N30 / CC2828

## FLUSH-MOUNT™ PLASTERBOARD PRODUCT SHEET

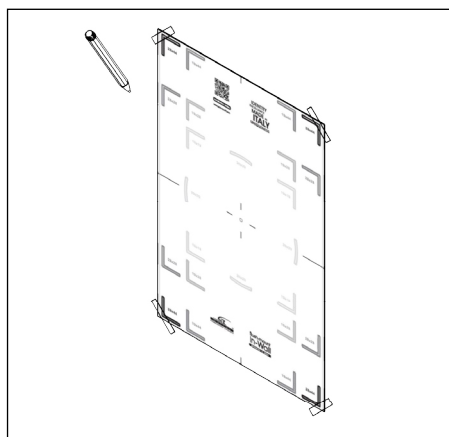
### FLUSH-MOUNT™ CODES

1 Loudspeaker **KR117N30**  
2 Frame **CC2828**  
3 Front cover **51BXX-51BXM-51AXX-51BMX**

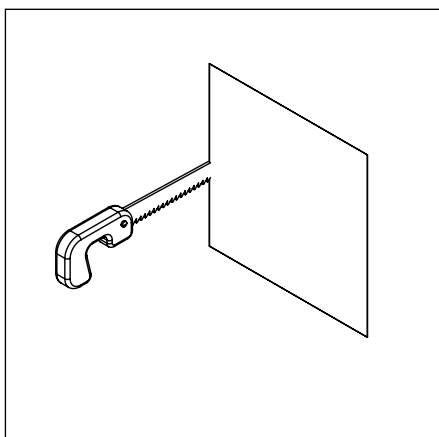
AES POWER **50 W**  
TYPE **COAXIAL**  
NOM. SIZE **WF 160 MM + TW 14MM**  
NOM. IMP. **8Ω**



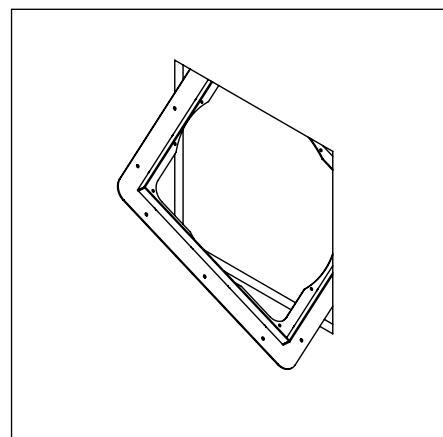
# INST. INSTRUCTIONS **KR117N30 / CC2828 Flush-Mount™ Plasterboard**



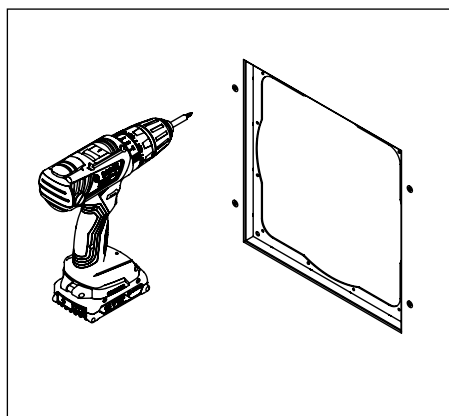
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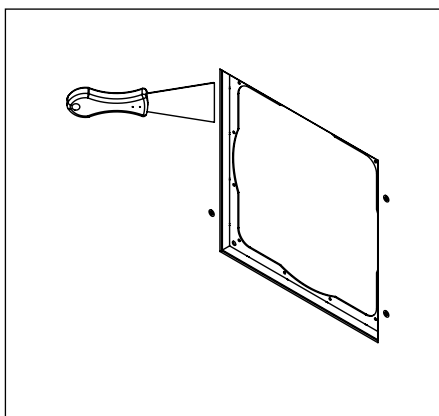
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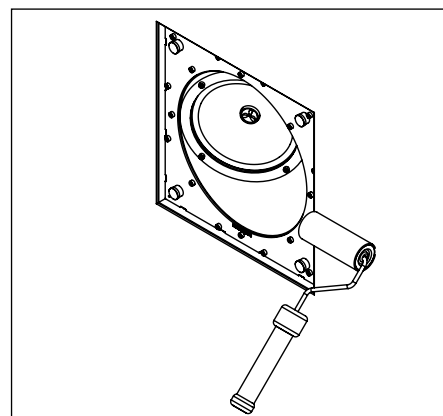
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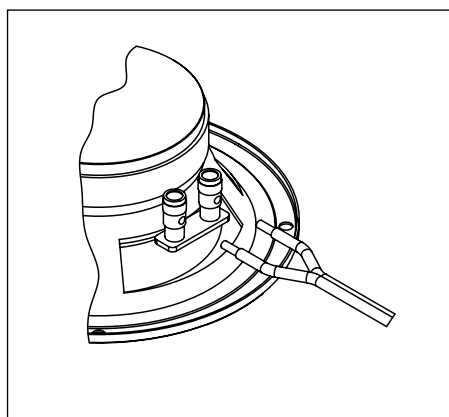
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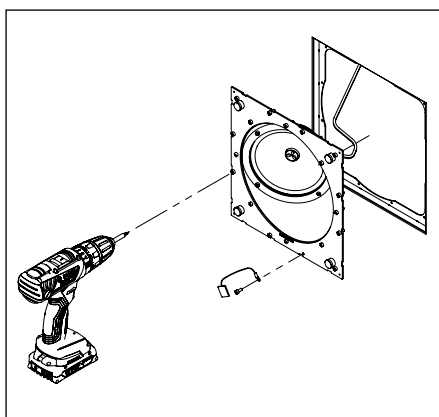
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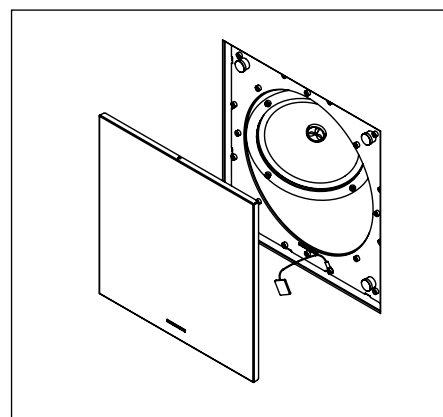
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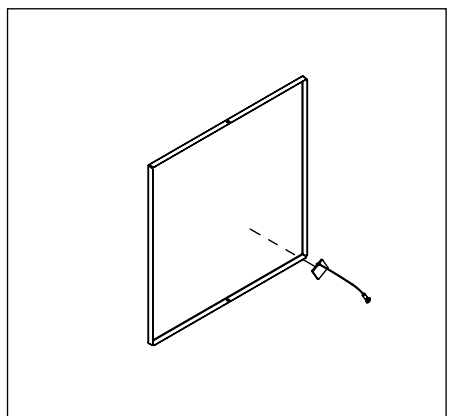
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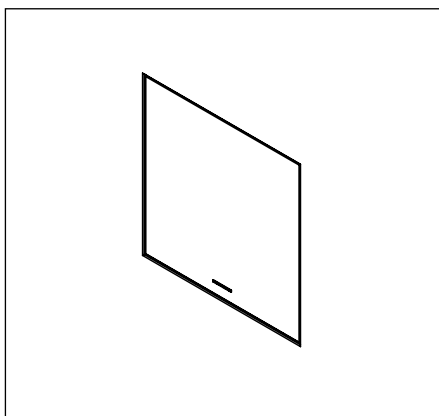
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9



10



11



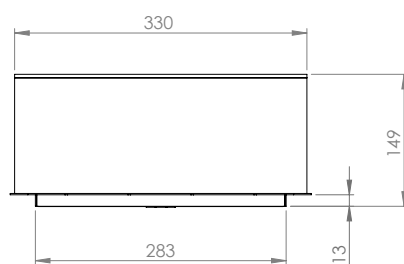
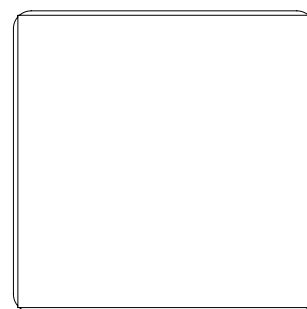
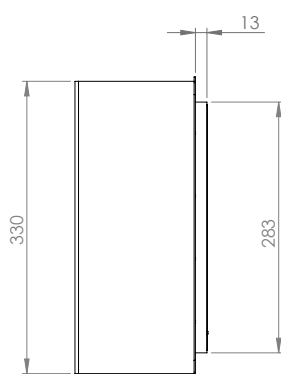
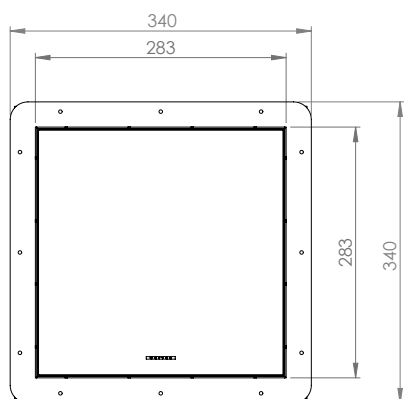
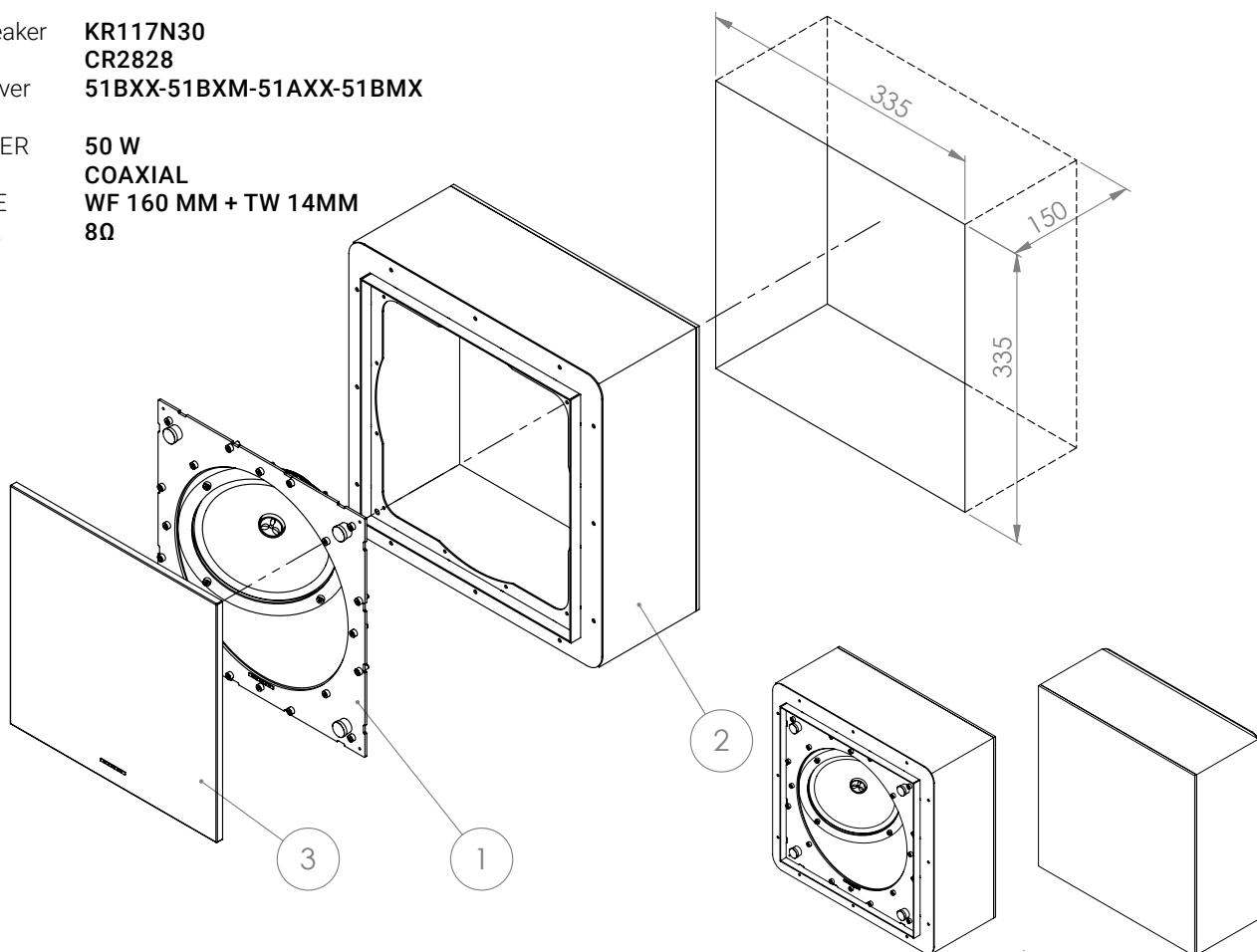
# KR117N30 / CR2828

## FLUSH-MOUNT™ CONCRETE WALL PRODUCT SHEET

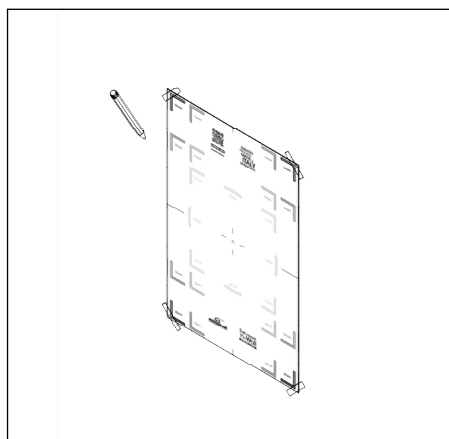
### FLUSH-MOUNT™ CODES

1 Loudspeaker **KR117N30**  
2 Frame **CR2828**  
3 Front cover **51BXX-51BXM-51AXX-51BMX**

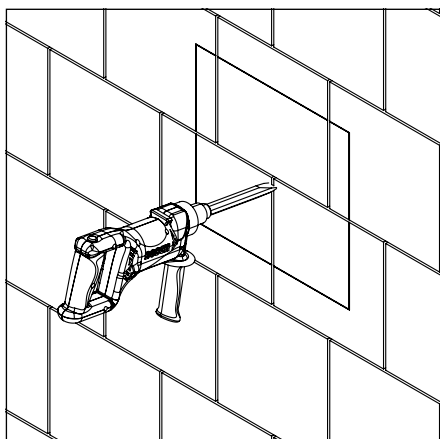
AES POWER **50 W**  
TYPE **COAXIAL**  
NOM. SIZE **WF 160 MM + TW 14MM**  
NOM. IMP. **8Ω**



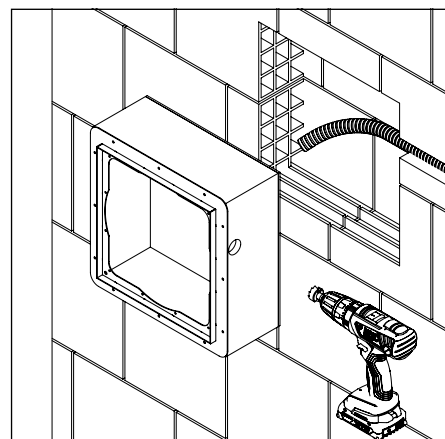
# INST. INSTRUCTIONS **KR117N30 / CR2828 Flush-Mount™ Concrete wall**



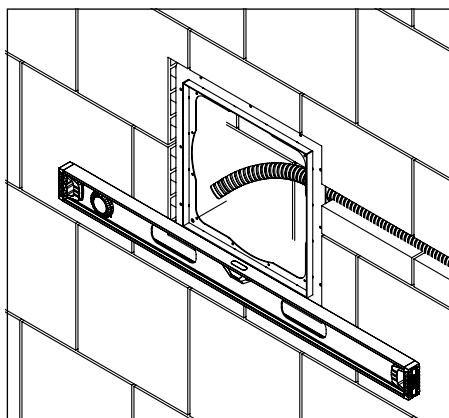
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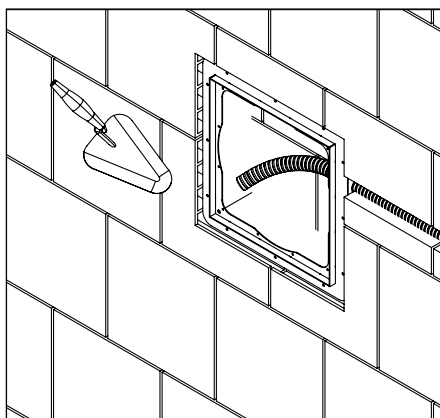
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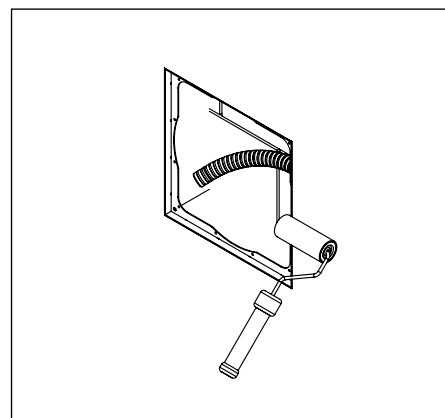
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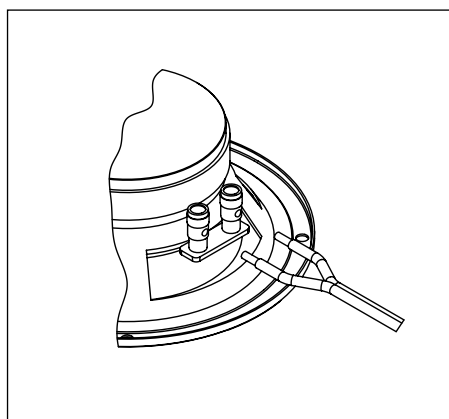
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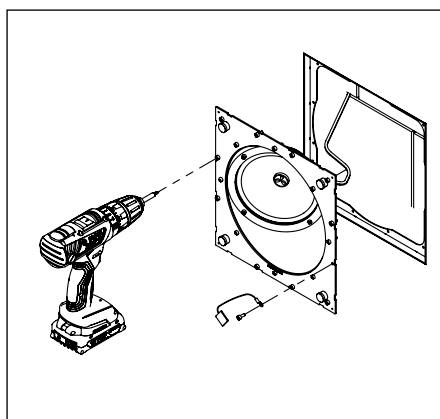
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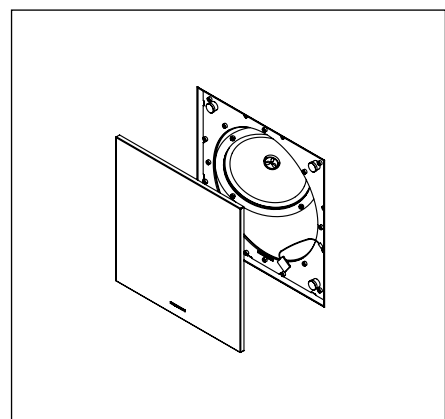
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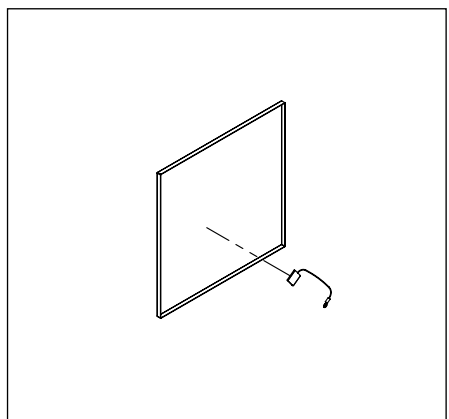
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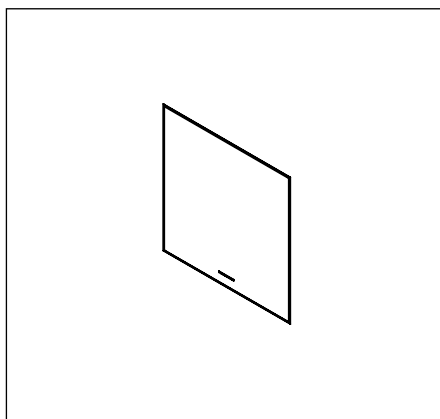
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