



# Technical Specification

## Wired Chime Specifications

- Chimes should be mounted vertically on a wall, ideally 2 metres high for best sound coverage.
- Do not mount chimes on the back door as the chime bars or batteries may dislodge if the door is slammed
- When battery operated, these chimes can be mounted up to a maximum of 15 metres from the push button providing the correct wire is used.
- When transformer operated, these chimes can be mounted up to a maximum of 60 metres from the push button providing the correct wire is used.
- Additional chimes can be wired to the original chime to provide better sound coverage - an additional transformer may also be required.

DECOR CHIMES	Colour	No. of Tunes	Tune Names	Batteries (not included)	Sound Level dB@1m*
D525 - Phoenicia	Glass/Chrome	3	Tube Bell 2 note, Tube Bell 8 note, Tube Bell Dong note	Chime: 3 x (C)	78/80
D526 - Silica	Glass/Chrome	6	Mini Bell 8 note (default for 1st push), Mini Bell 4 note C23, Mini Bell 2 note (default for 2nd push), Mini Bell 1 note, Soprano Sax, Tone Bar (ding dong)	Chime: 4 x (C)	78/80

**Additional information:**

- Operating radio frequency for all Decor products is 433MHz
  - Operating temperature range for all Chimes is 0°C to +30°C, Operating temperature range for all Pushes is -10°C to +50°C
  - All Decor products are packed in shipping containers of 4 units
  - Design of Friedland products may be subject to change without prior notice
- \* Sound levels are measured in free field conditions.

MINI CHIMES	Colour	No. of Tunes	Tune Names	Batteries (not included)	Transformers	Voltage	Sound Level dB@1m*
D844 - Seattle	White	25	Home Sweet Home, Waltzing Matilda, William Tell Overture, Long Long Ago, American Patrol, Amazing Grace, Battle Hymn of the Republic, Swanee River, Toreadors's Song, Oh Susannah, De Camptown Races, Frere Jacques, O'solo Mio, Did you ever see a Lassie, oh my Darling, Dixie land, Santa Lucia, Home on the Range, America the beautiful, The Yellow Rose of Texas, Three Blind Mice, Laura Lee, Silver Threads Among the Gold, My Wild Irish rose, She'll be Coming round the Mountain.	Chime: 3 x (AA)	CHM0024 or CHM0025	220-240V	78/80
D845 - Boston	White	2	3 Note Gong	Chime: 3 x (AA)	CHM0024 or CHM0025	220-240V	78/80
D846 - Oakland	White	2	3 Note Gong	Chime: 3 x (AA)	CHM0024 or CHM0025	220-240V	78/80
D142 - Atlanta	White	1	Ding Dong	Chime: 3 x (AA)	CHM0024 or CHM0025	220-240V	78/80
D143 - Denver	White	1	Ding Dong	Chime: 3 x (AA)	CHM0024 or CHM0025	220-240V	78/80

**Additional information:**

- Operating radio frequency for all Mini Wired products is 433MHz
  - Operating temperature range for all Chimes is 0°C to +30°C, Operating temperature range for all Pushes is -10°C to +50°C
  - All Mini Wired products are packed in shipping containers of 4 units
  - Design of Friedland products may be subject to change without prior notice
- \* Sound levels are measured in free field conditions.

MECHANICAL CHIMES (BUILT IN TRANSFORMER)	Voltage	Signal 1	Max. Power VA/W	Sound Level dB@1m	Sound Frequency Note 1 Hz	Sound Frequency Note 2 Hz
D3230 - Big Ben (incl. Transformer)	220-240V AC 50Hz	2 Note	16 VA	80	740	587





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MECHANICAL CHIMES (STANDARD)	Voltage	Signal 1	Signal 2	Batteries (not included)	Transformer	Max. Power VA/W	Sound Level dB@1m*	Sound Frequency Note 1 Hz	Sound Frequency Note 2 Hz
D107 - Facet	6V DC/8V AC	2-Note		4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D113 - Surf	6V DC/8V AC	2-Note		4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D117 - DingDong	6V DC/8V AC	2-Note		4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D154 - Argento	6V DC/8V AC	2-Note		4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D230 - Big Ben	6V DC/8V AC	2-Note	1-Note	4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D426 - Festival	6V DC/8V AC	Warbling	1-Note	4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D239 - Bandera	6V DC/8V AC	2-Note	1-Note	4 x (C)	CHM0024 or CHM0025	6W	80	740	587
D454 - Warbler	6V DC/8V AC	Warbling	2-Note	4 x (C)	CHM0024 or CHM0025	6W	87	740	587

\* Sound levels are measured in free field conditions.

BELLS & BUZZERS	Voltage	Signal 1	Batteries (not included)	Transformer	Sound Level dB@1m	TRANSFORMER	Switch	Mounting Type	Primary	Secondary
D182 - Minibuzzer	8V AC	Buzzer		CHM0024 or CHM0025	90	E3554SN - Transformer	Yes	DIN/ Surface	220-240V 50Hz	8V 2A
D792 - Underdome	8V AC	Bell		CHM0024 or CHM0025	85	E3538SN - Transformer	Yes	DIN/ Surface	220-240V 50Hz	12V 1.5A
D902 - Bell-in-one	3V DC	Bell	2 x (D)		80					

WIRED - PUSH BUTTONS	Hole Requirement	Illuminated	Finish / Colour	Spare Button
D534 - Lightspot		Yes	Black	D6431
D534W - lightspot		Yes	White	D6431
D611 - Gem			Stainless	
D624 - Halo		Yes	Brass	
D630 - Luna			Chrome	
D639 - Mesa	16mm hole req.	Yes	Brass	
D642 - Button	16mm hole req.		Clear	
D664 - Medallion	16mm hole req.	Yes	Brass	
D669 - Legion	16mm hole req.		Brass	
D723 - Pushlite		Yes	Black	D6431
D723W - Pushlite		Yes	White	D6431
D814 - Sesame			White	
D824 - Dimex			Black	

**Additional information:**

- Spare lamps fit older versions only. The lamp is inside the button on new models

WIRING CONNECTIONS	Battery Operation		Transformer Operation		
	Push 1	Push 2	Transformer	Push 1	Push 2
107,113,117	1 + 2		1 + 3	0 + 1	
230,239	0 + 2	0 + 1	0 + 3	0 + 2	0 + 1
426	0 + 1	0 + 2	0 + 3	0 + 1	0 + 2
430W,454	0 + A	0 + B	0 + 3	0 + A	0 + B
902	0 + 1				
792,182			*	*	

**Additional information:**

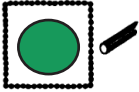
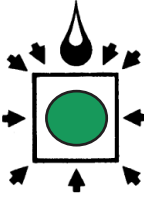
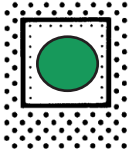
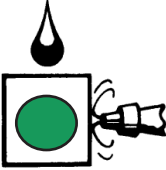
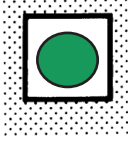
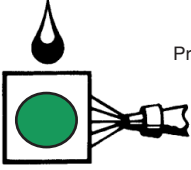
\* Terminals are unmarked, push should be wired in series with bell and transformer. The two incoming wires are then connected to either terminal.





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## IP Rating Table - for Push Buttons

Protection Against Solids		Protection Against Liquids	
IP	TEST	IP	TEST
4	 <p>Protected against solid objects over 1mm</p>	4	 <p>Protected against water sprayed from all directions</p>
5	 <p>Protected against dust that could interfere with satisfactory operation</p>	5	 <p>Protected against low pressure jets of water from all directions</p>
6	 <p>Protected against dust</p>	6	 <p>Protected against strong jets of water</p>