

Input Voltage			Options		DC12V / DC24V			
			Rated Voltage		DC 12V or DC24V			
			Operating Voltage		Rated Voltage Input + or – 10%			
Operating Temperature Range			-20°C ~ +55°C					
Relative Humidity			Less than 85% (no condensation)					
Sound Level			Max: 90 + or – 4dB (at 1m), may be less depending on sound type and operating conditions					
Volume Adjustment			Continuously adjustable from zero					
Mounting Location Options			Indoor or Outdoor					
Mounting Direction Options		Indoor	Facing horizontal or vertical (up or down), when splashed with water then horizontal only					
		Outdoor	Facing horizontal only					
Protection Rating			IP-54 (flush-mount, front direction only)					
Vibration			19.6m/s² (30Hz) (2 hours each: front-back, right-left, up-down)					
Insulation Resistance			More than 1 Megohm between terminals and chassis at DC500V					
Withstand Voltage (AC/DC24V)			DC500V applied between terminals and chassis for 1 minute without breaking insulation					
Signal Line Voltage			DC12V					
Signal Line Current			7mA					
Total Power Consumption			Max. 4W					
Standby Current			25mA					
Leakage Current			I _L = 1mA or less					
Fuse (not included)			0.5A , 125V					
Reference numbers with corresponding pre-recorded sounds installed in this unit (32 total):								
Ref.	Sound	Ref.	Sound	Ref.	Sound	Ref.	Sound	
1	Beep	9	Stutter + Bell	17	London Bridge	25	Amaryllis	
2	Stutter	10	Passing Train	18	Holdiridia	26	Symphony #40	
3	Bell	11	Chime	19	Mary Had a Little Lamb	27	Silent Lakeside	
4	Yelp	12	Call Sign	20	The Camptown Races	28	Mountain Musician	
5	Rapid Hi-Lo	13	Fur Elise	21	Cuckoo	29	Romance de Amour	
6	Melody Chime	14	Minuet	22	Blacksmith in the Village	30	Petrouchka	
7	Synthesized Piano	15	Minuet	23	On the Avignon Bridge	31	My Grandfather's Clock	
8	Synthesized Bell	16	Annie Laurie	24	Daydream Believer	32	Ave Maria	
<div>Factory default: 16 groups of sounds.</div> <div>Any group is selectable from a hidden front-panel control.</div> <div>4 channels per group; any channel is selectable by wiring.</div> <div>The 4 channels in group P can be re-programmed with any of the existing sounds via optional SD card.</div>	Group	Channel 1		Channel 2		Channel 3		Channel 4
	A	Beep		Stutter		Bell		Yelp
	B	Rapid Hi-Lo		Melody Chime		Synthesized Piano		Synthesized Bell
	C	Stutter + Bell		Passing Train		Chime		Call Sign
	D	Fur Elise		Maiden's Prayer		Chime		Call Sign
	E	Minuet		Annie Laurie		Chime		Call Sign
	F	London Bridge		Holdiridia		Chime		Call Sign
	G	Mary Had a Little Lamb		The Camptown Races		Chime		Call Sign
	H	Cuckoo		Blacksmith in the Village		Chime		Call Sign
	I	On the Avignon Bridge		Daydream Believer		Chime		Call Sign
	J	Amaryllis		Symphony #40		Chime		Call Sign
	K	Silent Lakeside		Mountain Musician		Chime		Call Sign
	L	Romance de Amour		Petrouchka		Chime		Call Sign
	M	My Grandfather's Clock		Ave Maria		Chime		Call Sign
	N	Holdiridia		Mountain Musician		Chime		Passing Train
	O	Mary Had a Little Lamb		Romance de Amour		Stutter + Bell		Passing Train
	P	The Camptown Races		Cuckoo		Petrouchka		My Grandfather's Clock
Signal Initiation				Contact closure plays selected channel until contact is open				
Minimum Channel Contact Closure Time				More than 170msec				
Minimum power-on time				More than 1 sec				
Applicable Standards		CE		EN60958-1: 1993				
		EMC		EN55011:1998+A1:2002 Group 1, Class B / EN81000-6-2:2001				
		RoHS		RoHS Directive 2005/95/EC				