

Technical Datasheet



PolyGard®

Warning Horn WH/BL-24

with & w/o push-button

DESCRIPTION

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ELECTRICAL CONNECTION

SWITCH POSITIONS FOR HORN-FLASHING LIGHT COMBINATION



Specifications subject to change without notice.
Up-to-date data sheets and user manuals can be found in the download area of www.msr-24.com.
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■ All Products
■ Made
■ in Germany

DESCRIPTION

Warning horn and flashlight combined in stable plastic housing (ABS).

APPLICATION

All-purpose audio warning hooter with integrated LED flashlight for acoustic and optical warning with and without push-button for acknowledgement.

FEATURES

- Simple maintenance
- Continuous operation
- Long service life
- Reliable
- Extended temperature range

TYPES

Combination of warning horn / flashlight 24 V DC: **WH/BL-24** (without push-button)

Combination of warning horn / flashlight 24 V DC: **WH/BL-24-TAST red/red** (with push-button)

Combination of warning horn / flashlight 24 V DC: **WH/BL-24-TAST white/red** (with push-button)

Combination of warning horn / flashlight 24 V DC: **WH/BL-24-TAST white/blue** (with push-button)

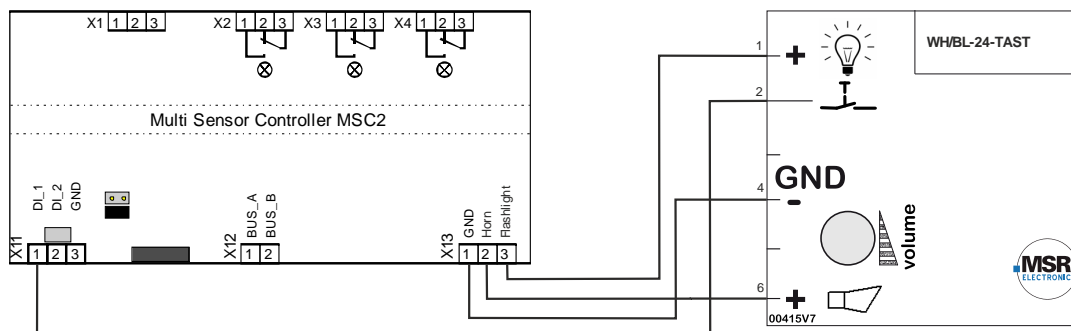
SPECIFICATIONS

ELECTRICAL	
Power supply	9–28 V DC
Power consumption	Max. 40 mA
Audio frequency	38 sounds selectable, incl. DIN 33 404 sound
Acoustic pressure	Max. 98 dB(A) @ 1m
OPERATING ELEMENT	
Humidity	15–95% RH non-condensing
Working/Storage temperature	-25 °C to +70 °C
Pressure range	Atmospheric ±10 %
PHYSICAL CHARACTERISTICS	
Enclosure material	Thermoplastic (ABS), shock-resistant
Enclosure colour	Red or white
Lens colour	Red or blue
Dimensions (D x H)	Ca. 91 x 97 mm
Weight	0.4 kg
Protection class	IP65, with pushbutton IP40
Mounting	Wall and ceiling installation
Cable entry	Ca. 12 mm diameter
Wire connection	Screw-type terminals, min. 0.28 mm ² , max. 2.5 mm ²
REGULATIONS	
Directives	VdS
Warranty	1 year

ELECTRICAL CONNECTION

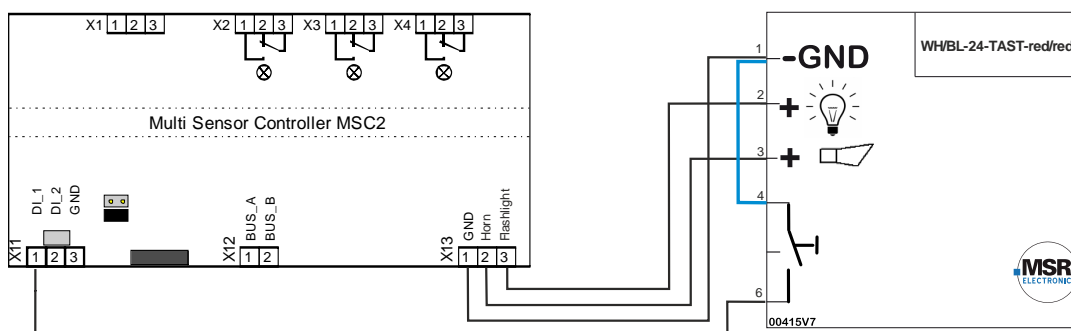
WH/BL-24-TAST WHITE/RED OR WHITE/BLUE

Example:



WH/BL-24-TAST RED/RED

Example:



SWITCH POSITIONS FOR HORN-FLASHING LIGHT COMBINATION

1 Ton	2 Ton	Tonelect		Ton Beschreibung		Anwendung	mA @ 120VAC	dB(A) @ 1m, 90° 120VAC	mA @ 240VAC	dB(A) @ 1m, 90° 240VAC
0	8	00000	Alr-Abtwehrend	150 zu 1000 zu 150Hz		Hochst	27	93	35	97
1	14	00001	Altmierend	800 & 970 Hz		BS Feuer	20	93,5	30	98
2	14	00010	Ansteigend	800 zu 970 Hz		BS Feuer	20	93	29	97
3	14	00011	Ansteigend	800 zu 970 Hz		BS Feuer	20	94	30	97
4	14	000100	Querton	2350 Hz			18	88	23	95
5	4	00101	Ansteigend	2400 zu 2850 Hz			18	87	23	95
6	4	000110	Ansteigend	2400 zu 2850 Hz			17	87	23	96
7	14	000111	Ansteigend	300 zu 1200 Hz		Niederlande Feuer (NEN 2575)	20	94	23	98
8	14	00100	Abtwehrend	1200 zu 500 Hz		Durch Feuer (DIN 33 404)	21	93	31	98
9	4	00101	Altmierend	2400 & 2850 Hz			18	87	24	95
10	14	001010	Unterbrochen	970 Hz		PREER alert	17	92	20	97
11	14	001011	Altmierend	800 & 970 Hz		BS Feuer	20	93	30	97
12	4	001100	Unterbrochen	2850 Hz			17	88	21	96
13	14	001101	Unterbrochen	970 Hz			17	92	21	97
14	14	001110	Querton	970 Hz		PREER toxic gas	20	92	28	97
15	14	001111	Altmierend	554 & 440 Hz		Frühlich Feuer (NF S 22-001)	22	91	35	96
16	16	01000	Unterbrochen	660 Hz		Schweden (Alr-Ruf)	18	91	26	96
17	17	01001	Unterbrochen	660 Hz		Schweden (local warning)	18	91	23	96
18	18	01010	Unterbrochen	660 Hz		Schweden (Pre-mess)	18	91	26	96
19	19	01011	Querton	660 Hz		Schweden (All Clear)	20	91	31	96
20	20	010100	Altmierend	554 & 440 Hz		Schweden (Tun Out)	22	91	35	96
21	21	010101	Unterbrochen	660 Hz		Schweden allgemein	20	91	21	96
22	14	010110	Unterbrochen	2350 Hz		Pelican crossing	18	88	22	95
23	14	010111	Ansteigend	800 zu 970 Hz		BS Feuer	21	90	30	96
24	4	011000	Ansteigend	2400 zu 2850 Hz			20	85	25	93
25	25	011001	Unterbrochen	970 Hz		ISO 8001	19	92	23	97
26	26	011010	Unterbrochen	2350 Hz		ISO 8001	19	88	23	95
27	27	011011	Querton	4000 Hz		ISO 8001	19	90	23	95
28	10	011100	Altmierend	800 & 970 Hz		BS Feuer	22	93	30	97
29	33	011101	Altmierend	990 & 650 Hz		BS Feuer	23	92	35	97
30	35	011110	Altmierend	510 & 610 Hz		BS Feuer	23	91	35	96
31	31	011111	Ansteigend	300 zu 1200 Hz			22	93	34	97
32	32	100000	Querton	4000 Hz		BS Feuer	20	91	25	96
33	8	100001	Querton	990 Hz			21	92	30	97
34	8	100010	Unterbrochen	990 Hz			19	92	21	97
35	8	100011	Querton	510 Hz			23	91	35	96
36	8	100100	Unterbrochen	510 Hz			20	91	22	96
37	8	100101	Querton	850 Hz			21	89	30	96
38	8	100110	Querton	1650 Hz			20	86	24	94



- 00 1Hz, full beam
- 01 1Hz, half beam
- 10 2Hz, full beam
- 11 2Hz, half beam

CHIASSO 100 &
CHIASSO 100 Razor

