



Remote Speaker Microphone

RSM-EX01B..-D1NAM-1BBL...ST



- Extremely long operating times with high voice volume – Up to 78 hours
- Outstanding volume and sound performance – Up to 103 dB
- Good operability, even with gloves
- Lone worker ready (optional SOS button)
- Additional multi-functional buttons and a dedicated SOS button
- 2200 mAh Li-ion battery pack for a long operating time
- Linguistic feedback when changing individual modes
- Magnetic charging cable and optional charging cradle
- IoT Ready: "Custom Service Load" allows individual button settings for sending custom commands to servers and other IoT switches - e.g. to open a gate (only for Ex-Handy 10 Series)

RSM-Ex 01, Bluetooth, Division 1, version for Northern America



Connection

Division 1



Technical Data

Indicators/operating means

Key

- PTT button operable with thick gloves
- Front-facing multi-function button
- Volume up / down
- Channel up / down
- On/Off switch
- Red Button

Audio data

Sound level up to 103 dB

Electrical specifications

Release date: 2021-03-15 Date of issue: 2021-03-15 Filename: 480984-100020_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Battery type	Li-Ion battery 3.7 V 2200 mAh
Operating duration	Stand-by time: approx. 74 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
Bluetooth	yes
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Div.1, GRPS A-G, T4, T135°C CI I, Zn 1, AEx ib IIC T4 Gb IP64 CI II, Zn 21, AEx ib IIIC T135°C Db IP64 CI I, Zn 1, Ex ib IIC T4 Gb IP64 CI II, Zn 21, Ex ib IIIC T135°C Db IP64
Approved for	Northern America
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Accessories

	EXT-C2LCOIL CLIP2LOOP COIL	Clip2Loop Coil Tether
	MINI QD LOOP	Mini QD Loop
	RL ID01	Retractable Lanyard
	CC S01-R	Car charger
	DS RSM 01	Docking station
	TC S02 Travel Charger	Travel charger
	Charging Cable RSM	USB Charging Cable

Operation

Run times**

Use time in % with typical user profiles speak/hear/standby	100% (Level 15 media; Level 8 phone call)	100% (Level 15 media; Level 8 phone call)	25% (Level 3 media; Level 2 phone call)
5 / 5 / 90	50 h	64 h	71 h
25 / 25 / 50	22 h	44 h	64 h
50 / 50 / 0	13 h	31 h	57 h
**determined runtimes on the Smart-Ex 02 based on RSM-Ex 01 BT software version 1.0.0			

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