

AJE Ex

Transmitting unit

AJE Ex is the largest transmitter unit of the Ex series in terms of size. It is designed for the safe and reliable control of machines operating in potentially explosive atmospheres. Developed for complex industrial applications, it combines functional safety, robustness, and ergonomics in a single solution.

AJE Ex is suitable for use in ATEX gas and dust areas classified as Zone 1, Zone 21, Zone 2, and Zone 22, as well as for mining applications in category M1, where the remote control must ensure consistent performance even under harsh environmental conditions.

EX Ex series



Safety functions

GSS, EMS, ATS (EN 62745)



ATEX zone

Zone 1-21, mining M1 or Zone 2-22



Data Feedback

4.3" display



Max number of joysticks

Up to 3 multi-axis or 6 single-axis



Compatible receiving units

All receivers in Air series





Discover more

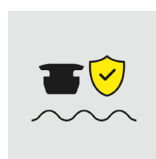
Technical data

Power supply	3.7 VDC
Radio frequency	870/915 MHz FHSS
Performance level of stop (GSS / EMS)	up to PL d, SIL 2 (EN ISO 13849-1)
Performance level of the automatic stop (ATS)	up to PL d, SIL 2 (EN ISO 13849-1)
Typical working range	100 m (330 ft)
Max number of functions	up to 3 multi-axis joysticks, 20 actuators and 10 side pushbuttons
Average usage time with fully charged battery (continuous use at 20°C / 68°F)	without display: 20 hours with display: 8 hours
Protection degree	IP65 (NEMA 4)
Operating and storage temperature	operating: (-20 °C) ÷ (+60 °C) / (-4 °F) ÷ (+140 °F) storage: (-40 °C) ÷ (+70 °C) / (-40 °F) ÷ (+158 °F)
Dimensions	370×248×183 mm (14.5×9.7×7.2 in)
Weight	~4,3 kg (~ 9.5 lb)
Included accessories	waist belt, battery charger, 2 extractable Li-Ion batteries

ATEX marking

Zone 1/21, mining M1	II 2GD Ex ia IIC T4 Gb Ex ia IIIC T135°C Db I M1 Ex ia I Ma -20°C ≤ Tamb ≤ +60°C
Zone 2/22	II 3GD Ex ic IIC T4 Gc Ex ic IIIC T135°C Dc -20°C ≤ Tamb ≤ +60°C

Options



Environment marine protection



4.3" display

Cert. UNI EN ISO 9001:2015 No. 50 100 2877 Design, manufacture and service of remote control systems for safety industrial application.

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