



A versatile radio controller for shunters. Advanced dual-processor electronics protected in an ergonomic and robust housing for demanding industrial environments.

FEATURES

- High safety class through redundant hardware and software structure
- Suited for applications requiring EN ISO 13849-1 Performance Level d
- Approvals and frequencies for worldwide deployment
- System configuration via external TransKey (RFID)
- Application-specific layout
- Reverse-engraved front plate – extremely hard wearing for use in industrial environments
- Housing made of high impact-resistant polycarbonate resin
- Acoustic and optical undervoltage warning
- Tilt switch as operator safety feature
- Operator vigilance feature (optional)
- Housing made of Lexan® EXL resin - extreme high impact resistance and form stability
- Protection class IP65

TECHNICAL DATA AND SPECIFICATIONS

RF	
Frequency range / Power	335 MHz (< 1 mW ERP) 418 MHz (< 10 mW ERP) 433 MHz (< 10 mW ERP) 447 MHz (< 10 mW ERP) 869 MHz (< 5 mW ERP) 915 MHz (FCC part 15)
Transmission speed	4.8 to 20 kbit/s
Modulation	FM
RF channel spacing	12.5 kHz; 25 kHz and others
Antenna	External
ELECTRONIC DATA	
Commands	Up to 32 commands + 2x STOP
Digital circuitry	Dual-processor technology
System addresses	24 bits = 16 million addresses
Power supply	Rechargeable battery, NiCD, 10.8 V / 1600 mAh Autonomy > 12h at 100% uninterrupted use
STANDARDS COMPLIANCE	
Safety standards	EN 13849-1 Performance Level d
Protection class	IP65

MECHANICAL DATA	
Weight	approx 1.9 kg
Dimensions (L x W x H)	257 x 91.5 x 183 mm
Housing	Lexan® EXL® polycarbonate resin, Standard colour yellow
Operating temperature	-20° to +70°
OPERATION AND INDICATION	
Layout	Customized 1 x dual-axis joystick, switches and pushbuttons
TransKey™	System configuration, address and RF channel
Indication	3 LEDs for status display
Buzzer	Low voltage indication and tilt switch feature, operator vigilance (optional)
ACCESSORIES	
Batteries	2 x Rechargeable batteries NiCD, 10.8 V / 1600 mAh
Battery charger	Processor-controlled charger 24 V DC or 110/230 V AC, 50–60 Hz

* Trademark of SABIC Innovative Plastics IP BV

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WACS-DS-LRC-LO 0513

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