

# RCME MD

## Radio remote control



Radio remote control with transmitter to be mounted on DIN rail inside the electric panel.

### FEATURES

- Radio remote control to be mounted inside the electric panel. featuring extractable terminal blocks with marker strips for digital, analog and serial inputs.
- Designed for fields of application which prefer the transmission of data coming from sensors, limit switches, PLCs and CAN-BUS, RS232 and RS485 ports or of commands coming from joystick, push buttons, selectors and potentiometers and the transmission of an emergency STOP.
- Transmitters featuring LEDs that signal operating status, battery level and fault messages.
- Based on AFA (Adaptive Frequency Agility) technology to avoids manual frequencies changes: the less impeded channel among the available ones is continuously searched and selected by the radio remote control.
- Equipped with SMA type connector for external antenna easily mountable in the most suitable position.
- IP protection degree: i radicomandi RCME MD are classified IP20.
- Extreme temperature resistance: from  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- Cases in ABS.
- Ease and low-time maintenance: the PCB of RCME MD transmitter is equipped with extractable easily accessible fuses to simplify installation and maintenance operations.

### OPTIONS

- Feedback relays to control lights and sound signals available.
- Suitable for CAN/CANOPEN, RS485 and RS232 communication protocols that allow the data acquisition from sensors or external electronic devices.

### CERTIFICATIONS

- CE Marking.
- FCC\*, IC\*, KCC\*, MIC\* Certifications.
- Performance Level Category 4 PL e.

## CERTIFICATIONS

<b>Conformity to Community Directives</b>	2006/42/CE Machinery Directive
	2014/30/UE Electromagnetic compatibility (EMC)
	2014/53/EU Radio Equipment Directive (RED)
<b>Conformity to CE Standards</b>	EN 17067 Forestry machinery - Safety requirements on radio remote controls
	EN 60529 Degrees of protection provided by enclosures
	EN 60204-32 Safety of machinery - Electrical equipment of machines - Requirements for hoisting machines
	EN 13557 Cranes - Controls and control stations
	EN ISO 13849-1 Safety of machinery - Safety-related parts of control systems - General principles for design
	EN 61326-3-1 Electrical equipment for measurement, control and laboratory use - EMC requirements - Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – General industrial applications
	EN 61000-6-2 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
	EN 61000-6-3 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
	EN 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements
	EN 62745 Safety of machinery - Requirements for cableless control systems of machinery
	EN 62479 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
	ETSI EN 300 220-1 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz - Technical characteristics and methods of measurement
	ETSI EN 300 220-2 Short Range Devices (SRD) operating in the frequency range 25 MHz to 1000 MHz; Harmonised Standard for access to radio spectrum for non specific radio equipment
	EN 300 328 Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz band - Harmonised Standard for access to radio spectrum
	EN 301 489-1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Common technical requirements - Harmonised Standard for ElectroMagnetic Compatibility
EN 301 489-3 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	
EN 301 489-17 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Specific conditions for Broadband Data Transmission Systems - Harmonised Standard for ElectroMagnetic Compatibility	
<b>Markings and homologations</b>	CE FC* E* K* IC*

## TECHNICAL SPECIFICATIONS

Ambient temperature	Storage -40°C/+85°C
	Operational -25°C/+70°C
IP protection degree	IP 20
STOP command	PLe Cat.4 (ISO 13849-1: 6.2.7 architecture)
Work frequency 1	I.S.M. 433.050-434.790 MHz
Work frequency 2	I.S.M. 434.040-434.790 MHz
Work frequency 3	2,4 GHz, 16 ch
Maximum operating distance	100 m
Supply voltage	12±30 Vdc / 24 Vac (50-60 Hz)
Absorption	4 W Max
Max Absorption	~ 0,36 A max @ 11Vdc
Housing material	ABS

## OVERALL DIMENSIONS



180 x 73 x 120 mm  
900 g max

