

Main Features

ARES remote controls have a very compact and ergonomic design. They are customizable and can be equipped with buttons, toggle switches, rotary switches and potentiometer, according to the client requires. **ARES C** allows to operate in complete safety, thanks to an excellent grip combined with rational layout of the controls and a clear and intuitive graphics. The manipulator is equipped with a sturdy belt clip. ARES C is compatible with all receivers, with both on/off and proportional outputs. **ARES E** is equipped with an emergency mushrooms in PL category and (ISO 13849:1), SIL 3. Compatible with all receivers, with both on/off and proportional outputs and CAN-BUS and CAN-OPEN outputs. The encoding of the radio signals and the 30 available transmission channels, exclude the possibility of interference with other equipment. The ARES serie is built with highly shock-resistant material and is water resistant, thanks to IP65 degree protection.



Automatic frequency agility (AFA): Made with the "AFA" technology, it eliminates the risk of interference. The free channel among all those present is continuously researched and selected .

DSC Function: DSC (Dynamic Speed Control) function performs instantaneous speed corrections (in "slow mode") allowing the operator to better manage complex micro-movements dictated by the characteristics of the loads on the crane from time to time.

Radio calibration: It's possible to calibrate the response of the individual joystick via radio, so customizing the speed of all crane movements (PIN code required).

Event recording: store every event that would cause a failure or a crash, and the hours of work carried out by remote control.

PIN CODE: it's possible to set a security personalized PIN CODE which limits the use of the equipment to authorized personnel only.

Status LEDs: All the transmitter units are equipped with LEDs to signal the operating status, the battery charge status and fault messages.

Selection and movements command: a wide range of switches, buttons and potentiometers able to meet any demand and customization. They are extremely comfortable and are suitable for long shifts even with the use of gloves.

Command panel: customizable printing for your needs.

STOP button: the new mechanical blocked button with dual reset system ensure the maximum level of security according to European and international standards and an ease of use unmatched.

Ergonomic belt: The practical belt clip allows the operator to completely free your hands to better follow the hitching/release of the crane load.

Materials: The remote controls enclosures are made with synthetic composite materials complying with RoHS standards and able to ensure the best performance in terms of robustness, mechanical and thermal stability (operating temperatures from -25°C to +55°C), resistance to the exposure in chemically aggressive environments.

New removable and rechargeable NiMH batteries: Up to 18 hours of continuous operation! The new NiMH batteries provide a longer life and a significant memory effect. The positioning inside the transmitter unit makes easy removal and protected from any penetration of liquids. The golden contacts ensure stability and durability of the electrical connection.

Technical Features

- **Dimensions** 143 x 80 x 143 mm
- **Weight (including battery)** max 667 g
- **Range** 100 m
- **Maximum number of ON/OFF commands** 32
- **Maximum number of analog commands** 8
- **Joystick commands UMFS = Unintended Movement From Standstill (ISO 13849-1:2006 6.2.6 architecture) NA**
- **Number of service and security commands** 3 (Start, Clacson, Stop)
- **Casing materials** Nylon UL94 HB
- **Power supply** 3,7 Vdc
- **Power consumption** ~ 80 mA
- **Maximum power supply** 0,3 W
- **Battery** NiMH 3,6 V - 2,2 A/h
- **Autonomy at 20°C with fully charged battery** Approx 25 hours
- **Notice low battery time** About 15 min
- **Character display speed on the display** 100 char/s
- **1 STOP command (ISO 13849-1:2006 6.2.7 architecture) PL e, Categoria 4 / SIL 3**
- **Operating frequency 1** I.S.M. Band 433.050-434.790 MHz
- **Number of programmable channels:** 69 AFA mode (Adaptive Frequency Agility) or fixed channel
- **Maximum power:** 1 mW e.r.p.
- **Operating frequency 2** I.S.M. Band 434.040-434.790 MHz
- **Number of programmable channels:** 30 AFA mode (Adaptive Frequency Agility) or fixed channel
- **Maximum power:** 10 mW e.r.p.
- **Operating frequency 3** 2,4 GHz, 16 canali
- **Buzzer** Internal
- **Operating temperature** -25°C ÷ +55°C
- **Storage temperature** -40°C ÷ +85°C
- **Supply** Single battery
- **Radio Transmission** Double (Single MTRS)
- **Output calibration** Through proportional calibration procedure
- **LEDs Link TX, Link RX, Error Codes**
- **Degree protection** IP 65