



ALNWR.J

REMOTE CONTROL WITH JOYSTICK



- Pushbutton designed for **remote control applications** of machines equipped with RDC EVO radio receiver
- Miniaturized **2-axis joysticks** in hall technology
- **10 keys** keypad with a backlight and integrated spotlight led
- **Quick charging** for long battery life
- Emergency button
- Hamming security code for continuous work without interruptions on **434 or 868 MHz band**
- **Predictive maintenance** of the battery operations

TECHNICAL DATA

MASTER CODE ALNWR.J

POWER SUPPLY 3.7V 1200 mAh Li-ion INTEGRATED BATTERY  
CHARGING TIME: < 2h

BUTTONS N. 10 FRONTAL KEYS (WITH *HIGH POWER* INTEGRATED BACKLIGHT AND SPOTLIGHT)  
UP TO 2 LEFT SIDE BUTTONS (OPTIONAL)  
UP TO 1 RIGHT SIDE BUTTON (OPTIONAL)  
N. 1 EMERGENCY STOP BUTTON

JOYSTICK OPERATION FORCE 1.5 N  $\pm$  0.5 N  
DEFLECTION ANGLE  $\pm$  22.5° each direction  
CENTERING SPRING RETURN  
LIFETIME 5 Mio. cycles



Round, guided feel



Round, no guided feel



Cross gate

LED N. 16 PROGRAMMABLE SPOTLIGHT LEDs (PUSHBUTTONS INTEGRATED)  
N.3 STATUS LED (GREEN & RED BICOLOR)  
BATTERY STATUS LED  
CHARGING LED (Red: in charge – green: charging complete)

RADIO FEATURES NOMINAL FREQUENCY: 868 MHz / 433.92 MHz  
MULTI-CHANNEL WITH AUTOMATIC FREQUENCY SCAN  
ANTENNA: INTEGRATED  
OPERATIVE RANGE: 100m \*

RADIO PROTOCOL PACKET TRANSMISSION PROTOCOL  
BIDIRECTIONAL LINK

CHARGER CONNECTOR Universal USB TYPE-C (5 V max 1 A)

TEMPERATURE OPERATING: -20 ... +60°C  
CHARGING: 0 ... +45°C  
STORAGE: -20 ... +80°C (10 days)



\*Cautionary value verified in our laboratories under typical operating conditions

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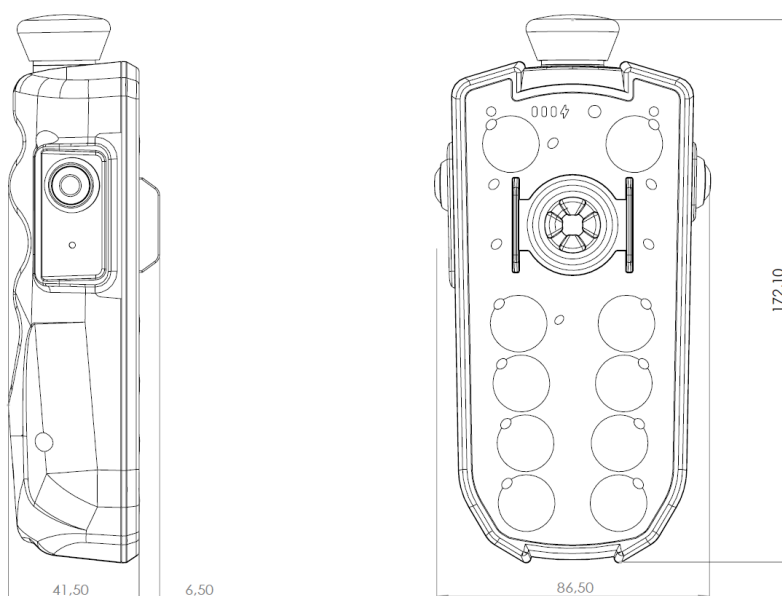
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ELECTRONIC FEATURES

|                                                |                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------|
| APPROVALS                                      | CE (RED)<br>UKCA                                                           |
| Health and safety - Article 3.1(a)             | EN 62479:2010<br>EN 50663:2017                                             |
| Electromagnetic compatibility - Article 3.1(b) | ETSI EN 301 489-1 v.3.2.1 (2021/11)<br>ETSI EN 301 489-3 v.2.1.1 (2017/03) |
| Efficient use of radio spectrum - Article 3.2  | ETSI EN 300 220-1 v.3.1.1 (2017/02)<br>ETSI EN 300 220-2 v3.2.1 (2018/06)  |
| ENVIRONMENTAL TESTING                          | IEC 60068-2-64<br>IEC 60068-2-27<br>IEC 60068-2-27<br>IEC 60068-2-30       |
| PROTECTION                                     | IEC 60529 (IP63)                                                           |

SIZE (mm)



FEATURES

Device battery charge is available by the 3 color LED display located in the front area.



**BICOLOR STATUS LED**  
Custom application use

**SPOTLIGHT LED**  
Integrated on each key

**BACKLIGHT**  
Integrated on each key and logo area



The status of the battery in charge is indicated by the dedicated bicolor led

**PUSHBUTTON STATUS LED**  
emergency stop button feedback

**CUSTOMIZABLE GRAPHIC**  
Pictograms, colors and company logo

**LOW PROFILE GUARD**  
To avoid accidental operations

**RUBBER HANDLE**  
For a better user grip

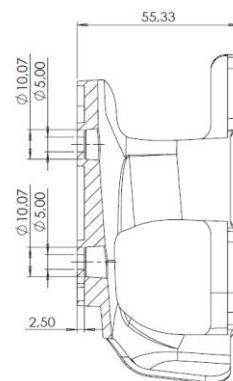
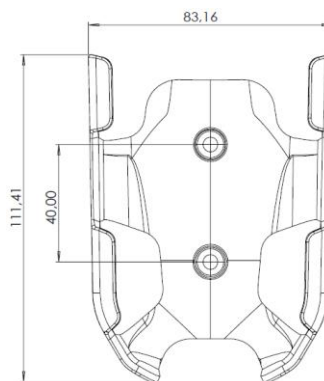


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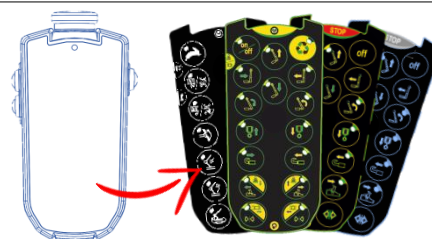
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FEATURES

MOUNTING BRACKET



CUSTOMIZABLE KEYBOARD GRAPHIC



OPTIONAL

**USB TYPE-C (5 VDC) BATTERY CHARGER**  
with USB-C – USB-C cable included  
For universal USB charger

**OPTIONAL:**

- 220/230 VAC plug adapter
- 12 VDC Lighter socket charger



USB TYPE-C  
connector



Compatible with  
universal smartphone  
/ tablet / power-bank  
charger

**PREDICTIVE MAINTENANCE: YOUR EFFICIENCY, ALWAYS UNDER CONTROL**

Thanks to our intelligent monitoring system, we can anticipate potential maintenance needs before they become issues. Contact ALMEC to discover how predictive maintenance can boost operational continuity and reduce downtime.



**RADIO KIT READY TO USE**

RDC EVO

- Bi-directional radio module for remote machinery control equipped with a CANbus network
- Designed to operate in systems with high safety level architectures
- Compatible with SIL2 and PLd standards.
- Integrated adjustable antenna
- Rugged IP68 enclosure and connector



**ALNWR**  
RADIO TRANSMITTER



**RDC EVO**  
RADIO RECEIVER

See the dedicated datasheet on [almec.net](http://almec.net)



NOTE