



ALNWR

DIGITAL RADIO PUSHBUTTON



- Pushbutton designed for remote control applications of machines equipped with RDC EVO radio receiver
- 16 keys keypad with a backlight and integrated spotlight led
- Quick charging for long battery life
- Up to 3 side buttons for custom applications
- Emergency button for safety functions
- Customizable keyboard graphic
- Hamming security code for continuous work without interruptions on 434 or 868 MHz band

**TECHNICAL DATA**

**MASTER CODE** ALNWR

**POWER SUPPLY** 3.7V 1200 mAh Li-ion INTEGRATED BATTERY

**BUTTONS** **New** N. 16 FRONTAL KEYS (WITH HIGH POWER INTEGRATED BACKLIGHT AND SPOTLIGHT)  
**New** UP TO 2 LEFT SIDE BUTTONS (OPTIONAL)  
UP TO 1 RIGHT SIDE BUTTON (OPTIONAL)  
N. 1 EMERGENCY STOP BUTTON

**LED** N. 16 PROGRAMMABLE SPOTLIGHT LEDS (PUSHBUTTONS INTEGRATED)  
**New** N.3 STATUS LED (GREEN & RED BICOLOR)  
**New** BATTERY STATUS LED  
**New** 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

**AUTONOMY** **New** up to 13 h \*

**RECHARGE** **New** < 3 h

**CHARGER CONNECTOR** **New** universal USB TYPE-C

**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



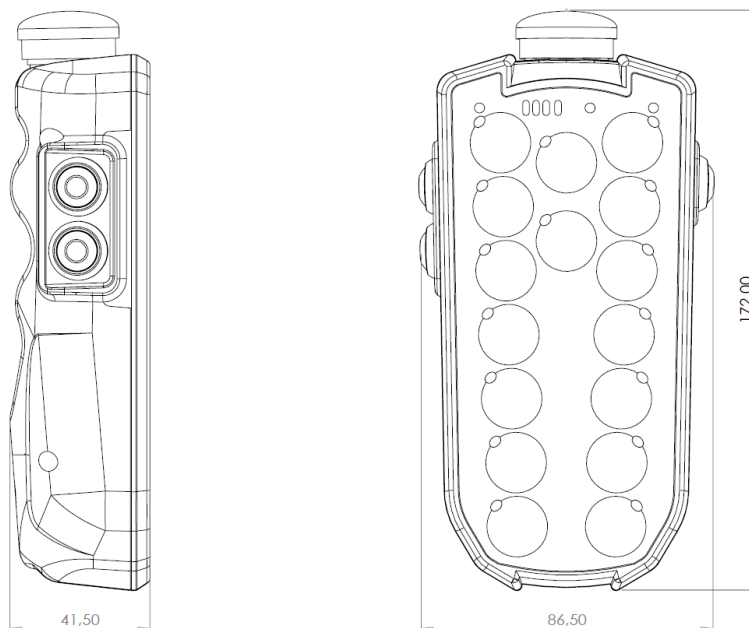
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**ELECTRONIC FEATURES**

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

**SIZE (mm)**



**STATUS BAR**

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

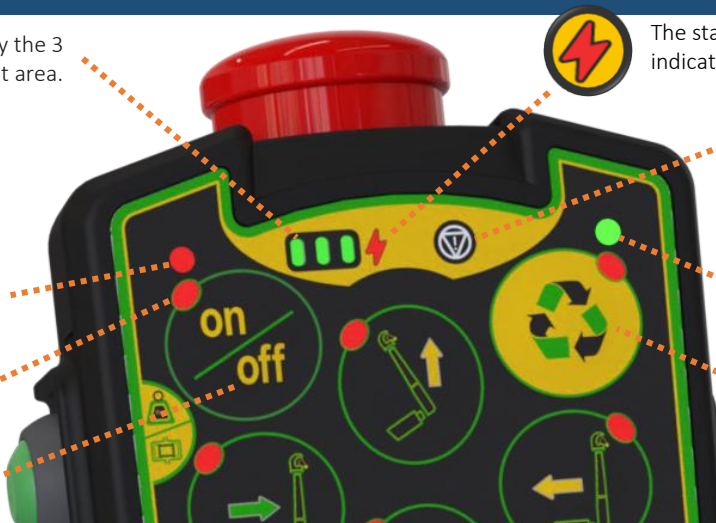


The status of the battery in charge is indicated by the dedicated bicolor led

**PUSHBUTTON STATUS LED**  
Radio communication status, diagnose and emergency stop button feedback

**BICOLOR STATUS LED**  
Custom application use

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



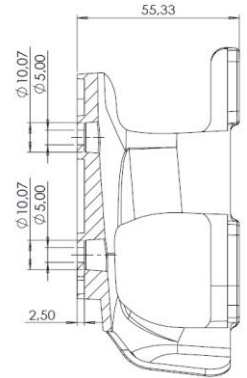
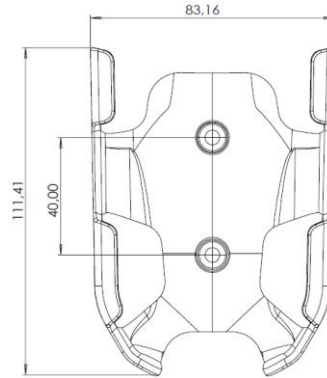


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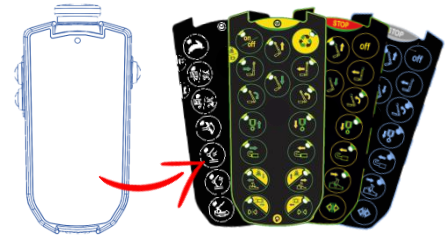
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FEATURES

MOUNTING BRACKET



CUSTOMIZABLE KEYBOARD GRAPHIC



OPTIONAL

INTEGRATED MAGNETIC BRACKET



FAUX LEATHER CASE

With rear spring clips for belt attachment and lid with Velcro closure for quick withdrawal.



USB TYPE-C (5 VDC) BATTERY CHARGER

with USB-C – USB-C cable included  
For universal USB charger



USB TYPE-C  
connector



Compatible with  
universal smartphone  
/ tablet / power-bank  
charger

OPTIONAL:

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

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



**RDC EVO**  
RADIO RECEIVER

**ALNWR**  
RADIO TRANSMITTER

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



NOTE