ALMEC MECHATRONICS

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 TRANSMISISON 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)

Scan me

*Cautionary value verified in our laboratories under typical operating conditions

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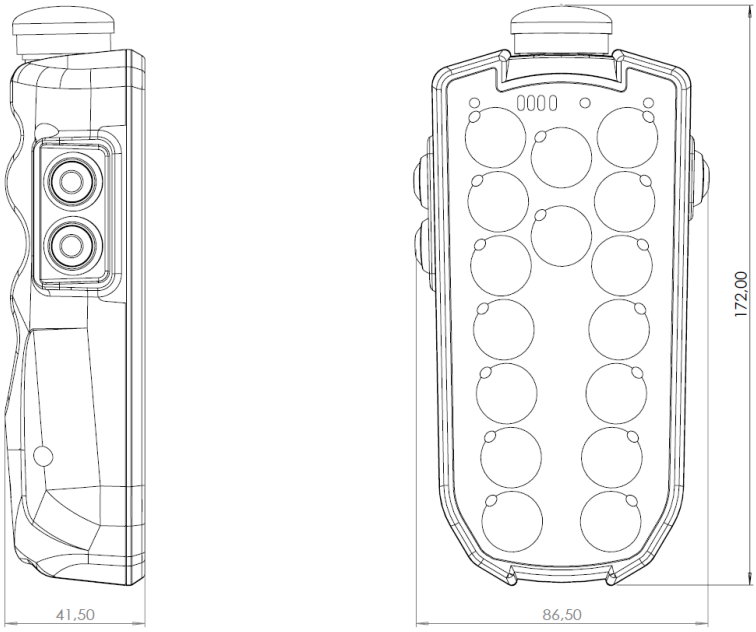
ELECTRONIC FEATURES

APPROVALS	CE (RED) UKCA
Health and safety - Article 3.1(a)	EN 62479:2010 EN 50663:2017
Electromagnetic compatibility - Article 3.1(b)	ETSI EN 301 489-1 v.3.2.1 (2021/11) 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) ETSI EN 300 220-2 v3.2.1 (2018/06)
ENVIRONMENTAL TESTING	IEC 60068-2-64 IEC 60068-2-27 IEC 60068-2-27 IEC 60068-2-30
PROTECTION	IEC 60529

SIZE (mm)



STATUS BAR

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

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

BICOLOR STATUS LED
Custom application use

CUSTOMIZABLE GRAPHIC
Pictograms, colors and company logo

SPOTLIGHT LED
Integrated on each key

BACKLIGHT
Integrated on each key

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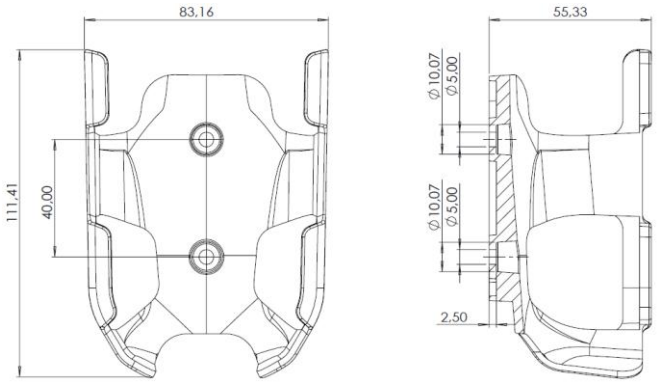
FEATURES

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

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

USB TYPE-C connector

Compatible with universal smartphone / tablet / power-bank 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

See the dedicated datasheet on almec.net

RDC EVO
RADIO RECEIVER

ALNWR
RADIO TRANSMITTER

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NOTE