



# PIC

PIC compact  
waistbelt radiocontrol



PIC is a compact waistbelt radiocontrol, PICCOLO (small) and lightweight, robust and reliable. Designed to satisfy a vast range of applications (compatible with MITO and E1 electronics).

Standard Configuration consists of 3 selectors and emergency mushroom-shaped stop button allowing for 5 commands, and with a second function toggle, up to 8 commands. Versions with potentiometer (analog output) and 4 LEDs for feedback signals (E1-PIC) are also possible.

The anti-reflection panel, made of durable materials, remains effective even in harsh and particularly heavy applications; customizable.

The blinking of the "CHECK" led indicates to the operator that the receiver is connected and ready to receive the commands sent.

Internal lithium battery, replaceable, with continuous transmission up to 50 hours (MITO series) and up to 20 hours (E1 series). Fast charging with dedicated ELCA-CLIP USB connector.

MITO-PIC has a bidirectional transmission system with LBT logic (Listen Before Transmit) that automatically searches for the best available free frequency. The identification code is unique and immune from possible commands interference from any other systems in the area of use.

The belt supplied with the transmitter, with quick release, is finished with leather to keep intact the characteristics of comfort and portability. The integrated belt-guides protect the charging plug, which can also be used with a power-bank.

PIC uses the MINI receiver : lightweight, compact, with internal antenna (external, optional); perfect for small spaces and resistant to harsh conditions. The wiring is quick and easy due to the excellent arrangement of the internal components and can be requested as an option, providing the wiring diagram of the system to be controlled. Each receiver can be paired with more that one transmitting unit.

The PIC radio remote control system consists of: transmitter, receiver, power supply unit with ELCA-CLIP USB cable, belt and user manual.

# PIC

## PIC compact waistbelt radiocontrol

E1-PIC  
scale 1:1



dimensions: 125x87x62 mm - weight: 350 g



MITO-PIC



E1-PIC



## Technical Data

	Mito	E1
Operating range	UHF	
ISM band working frequency	868,0125 - 870,000 MHz	434,050 ÷ 434,790 MHz
Working temperature	-25 ÷ +55 °C	
Transport and storage temperature	-20 ÷ +55 °C	-40 ÷ +70 °C
Modulation type	GFSK	
Operating distance	150 m	
Hamming distance	≥10	≥9
Passive safety stop	< 1 s	< 0,5 s
Active safety stop	< 0,35 s	< 0,1 s

## Transmitting Unit

	Mito PIC	E1 PIC
Antenna	internal	
Power supply	Lithium battery 3,7V 1.100 mA	
Transmission consumption	< 25mA	< 45 mA
Absorbed power	< 0,1 W	< 0,15 W
R.F. emission power	< 5 mW ERP	< 10 mW ERP
Flat battery warning notice	10 minutes	1 hr. - 5 min. - 100 sec.
Charged battery autonomy at 20 °C	up to 50 hr.	up to 20 hr.
Protection level	IP65	
Dimensions	125x87x62 mm	
Weight	350 g	

## Receiver Unit

	Mito MINI	E1 MINI
Antenna	internal or external (opt.)	
Power Supply	12-30 Vdc or 12-24 Vac	12-24 Vac/dc
Consumption	< 5 W	< 6 W
Max current to the contacts	10 A in AC1, 10 A in DC1 at 30V	10 A in AC1, 10 A in DC1 at 30V
Maximum current on STOP circuit	6.3A	4A
Maximum voltage on contacts	230 Vac	20 Vdc
Protection level	IP67	IP65
Dimensions	107x165x50 mm	
Weight	450 g	450 g



ELCA S.r.l.  
Via del Commercio, 7/B - 36065 Mussolente (VI) - ITALY  
Tel. +39 0424 578500 - Fax +39 0424 578520  
info@elcaradio.com - www.elcaradio.com

