

The ABUS Mini-RC remote control system

The intelligent solution for chain hoists



The ABUS **Mini-RC** safety remote control system was designed especially for the wireless remote control of stand-alone chain hoists. It is suitable for chain hoists with contactor and direct control and offers a cost-effective alternative to conventional safety radio remote control systems. The Mini-RC is available in two versions, one for stationary chain hoists and one for chain hoists with electric travel drives.

Plug

&

Play

Quick

Replace the pendant control of your chain hoist with the compact **Mini-RC** receiver with effortless ease.

Easy

The new receiver is plugged in instead of the pendant control. The transmitter and the receiver are already tuned to each other and can be operated immediately.

Safe

Safety and alarm functions such as active and passive emergency stop, the integrated horn and the low battery alarm function with a buzzer signal protect against hazardous operating conditions.

Economical

The **Mini-RC** is a low-cost solution for your chain hoist. Just call us for a competitive quotation.
Phone (01252) 749 000 or Fax (01252) 749 001



Advanced high-performance components

The transmitter

- easy-to-use controls
- compact design (65 x 122 x 30 mm)
- low self weight (230g including batteries)
- four two-step buttons, two single step buttons
- powered by three 1.5 V AA batteries or 1.2 V rechargeable batteries
- battery life about 1200 hours (alkaline batteries) with 10% duty cycle
- low battery warning system with buzzer alarm
- integrated antenna and piezo-electric buzzer
- IP 65 plastic housing
- Range: up to approx. 25 m

The sturdy transmitter is small and light, sits comfortably in the hand and is easy to operate, ensuring reliable operation of the two-step controls.

The red emergency stop button initiates an active emergency stop command. A passive emergency stop is automatically initiated if no valid signal is received for longer than 1 second. An integrated auto power-off function with a time delay of 30 seconds switches the transmitter off when it is not needed.

The ON/horn button is used to switch the transmitter on and also operates the horn integrated in the receiver to warn personnel in the working area of the chain hoist.

The transmitter can be easily attached to the operator's belt using the sturdy belt clip on the back of the unit.



Lifting/lowering



Lifting/lowering/
trolley travel



The receiver ⇄ plug and play

- easy plug-in installation
- advanced multiple frequency utilisation
- teach-in function for address programming
- no-wear handling of control signals
- easy maintenance with plug-type connector
- supply voltage 48 – 230 V AC
- very compact unit (48x97x60 mm)
- integrated antenna and horn

The receiver is a very compact unit designed for plug and play installation on the hoist using the pendant control connector.

ABUS chain hoists can therefore be converted quickly and easily to radio remote control using a Mini-RC unit.

The technology

- for chain hoists with contactor or direct control systems
- plug-type connection for easy retrofitting
- for lifting and lowering
- active and passive emergency stop
- frequency: 868 MHz
- emergency stop category 3 in accordance with EN954-1
- multiple frequency utilization
- freely programmable addressing
- integrated horn
- easy maintenance

Multiple frequency utilization

New transmission technology in the 868 MHz frequency band allows up to ten chain hoists to be controlled independently at the same time using the same frequency. In addition, the high-frequency receivers used are very small and light. Control systems with 868 MHz relieve the burden on the overloaded 433 MHz frequency band.

Freely programmable addressing

While the transmitter frequency is fixed, the receivers can be tuned to receivers by freely programmable addressing using the teach-in function of the transmitter.

This ensures that transmitters can be replaced quickly and easily if necessary.

Standard equipment

- 1 Mini-RC hand-held transmitter
- 3 AA batteries
- 1 48 – 230 V AC receiver
- 1 operating manual

Optional:

carrying case with adjustable strap



Note: Instead of the normal batteries, the unit can be operated with three rechargeable AA batteries with a voltage of 1.2 V each. These batteries may be recharged using standard battery chargers.