



Radio controlled trigger device for XR 150 X-ray generator Art.-No.: 150151-50



(Made in Germany)

There are a number of scenarios in which remote trigger cable or delay functions do not allow for satisfactory safety distance. In addition when deploying the generator from an RCV one of the important firing options is taken away by the X-ray generator.

Therefore ELP GmbH came to the conclusion to design its own radio controlled trigger system in order to be plugged to the XR 150 control plug at the back of the generator.

Specification

Modulation:	Frequency modulation (FM)
Range:	up to 1.000 m (Line of sight)
Frequency:	433,92 MHz
Environment:	-10°C to + 55°C
Certificates:	CE
Protocol:	67 Bit code with Code Hopping via high secure KeeLoq® Protocol
Transmitter performance:	Typical 9 dBm \approx 8 mW (on 50 Ω independence), max. 12 dBm \approx 16 mW
Power supply (Transmitter):	2 x Mignon 1,5 V (audio alarm of flat battery via test button)
Receiver sensibility:	-105 dBm \approx 32 fW
Power supply (Receiver):	5 V via generator battery
In general:	SuperHet-Conversion architecture with extreme stable PLL and quartz referred 10MHz Oscillator, double filter with high quality band pass for optimal interference suppression.

Remarks about KeeLoq®-Protocol:

The patented KeeLoq®-protocol of Microchip stands for guaranteed safe transmission. Activation by accident for example by a simultaneously operating remote control system or by purpose through third party action (recording and replay of captured signal) is avoided by the so called Code-Hopping Technology. Each individual receiver can be trained to pair with up seven Transmitters. The effective Data signal consist of: Information via depressed button, followed by serial number of transmitter and thereafter a ciphered code of 32 bits, which validates the entire signal.

Upgrading of all X-ray generators of this type is available

Specifications are subject to change without notice!