

WLE7140C Fire control system for sniper units

- Indication of readiness
- Clear design and reliable transmission
- Portable and high autonomy
- Multihop- and reconfigurable network



The WLE7140A fire control system is designed to be used by sharp precision shooters. It delivers visual information about their readiness to fire to the central squad-leader. It is composed of a central unit in the shape of a suitcase dedicated for the squad-leader and for decentralized fire units. The system operates over distances larger than 500m in cultivated areas and can achieve extended ranges by adding additional units as relay stations.

The handling of the central unit is intuitive and clear. On the upper part of the suitcase, the actual situation is represented. Pointers show position and focus of the shooters. Red and green LEDs indicate the shooters' readiness to fire. LED-signal bars inform the squad-leader about the strength of the received signals.

The fire units are added to the high precision gun. By switching-on the unit, its operational readiness is indicated. The push-button is placed near the trigger so that the shooter can easily signalize his readiness to fire.

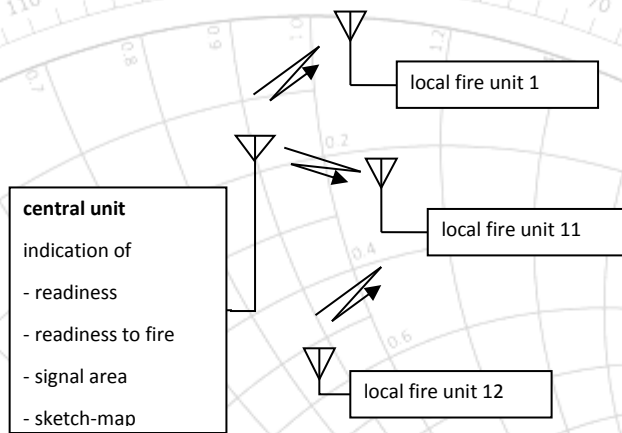
As option, it is possible to include a police unit's radio set in the suitcase in order to have an integrated control system available.

This system is designed to work in practical missions. It is qualified for realistic situations. The requirements were determined in collaboration with the Cantonal Police Unit Berne (Division Enzian).

Please note that this data sheet is temporary and only for information purpose.
WaveLab Engineering AG may apply changes at any time.



System pattern



The central unit communicates wireless directly or indirectly with the fire units. By going the indirect route, the operating range is enlarged.

	Item	Value	Unit
Technical specifications	Range	in cultivated areas	150 - 500 m
	Frequency		433 (868) MHz
	Transmission power		10 (500) mW
	Antennas	Dipole-Antennas	350 mm
	Autonomy	with full batteries	> 10 h
	Indication speed	max.	1.0 s
	Initializing time		30 s
	Dimensions	Central unit „suitcase“	450x300x120 mm
		Fire unit	82x32x200 mm
	Weight	Central unit (excl. SE160)	12 kg
		Fire unit	0.800 kg
	Environmental conditions	Water, dust	IP65
		Temperature	-15..+55 °C
	Test standard		ETS 300 220
			EN 55022
		BAKOM accepted	

