

Emit Touch-Free Pro Long Range (TFP LR) is the latest touch-free control unit for enduro-orienteering, and other sports where one needs extra long range. TFP LR sends a code from 100 to 199 wirelessly, with a range of up to 150 cm - depending on speed. The range is about double that of a regular TFP control. The code for TFP LR is registered and stored by emiTag, which come within the field.

Mechanics:

TFP LR is moulded in a very solid plastic, with a massive plate in the bottom for solidity and stiffness. There are one foil covering the whole front of the unit.

Size: 220x177x22mm. Weight: 300 gram.

Mounting:

There are several holes designated for screws and/or straps at the top and the bottom of the TFP LR-unit.

Electronics:

The electronics consists of the main unit with an eLine circuit - which sends a continuous signal containing the control's code. This code is registered and saved by all emiTags within the field, which has a range of up to 150 cm - depending on the speed of the runner. The TFP LR also has a standard control unit embedded on the circuit board. This makes it possible for runners with traditional e-cards to get the correct code registered, by «punching» at the front of the TFP LR, at the e-card silhouette.

Batteries:

The TFP LR uses four AA 3,6V lithium-batteries, which will last for a min. of 1.500 operating hours / 5 years.

Function:

The TFP LR is operated by using a single button - located under the emit-logo at the front of the unit. Turn the TFP LR on by pressing this button for a minimum of 3 seconds. The LED located under the button flashes rapidly for 2 seconds, to confirm that the unit is on. The TFP LR will stay active for 36 hours if it is not turned off manually. To reactivate the TFP LR for another 36 hours, press the button briefly and wait for the LED to flash rapidly for 2 seconds - just as it did when it was turned on originally. It is also possible to activate TFP LR for a whole month, for use in e.g. self-timing. This is done by pressing the button 3 times in succession. The LED will then flash quickly, and stop flashing after 2.5 seconds. TFP LR shows that it is in «month-mode» by a short flash with the LED approximately every seven seconds. A short press of the button reactivates the TFP LR for another month. To turn off the TFP LR, hold down the button for 10 seconds - before releasing it. TFP LR acknowledges with slow flashes.

The TFP LR also flashes rapidly when punching with a traditional e-card at the designated area on front of the unit. *Touch-Free Pro Long Range* control units are available as 'START' with code 0, 'FINISH' with code 90, and ordinary codes between 100 and 199.

All TFP LR's used at an event should be turned off when they are collected, to avoid false registrations.

