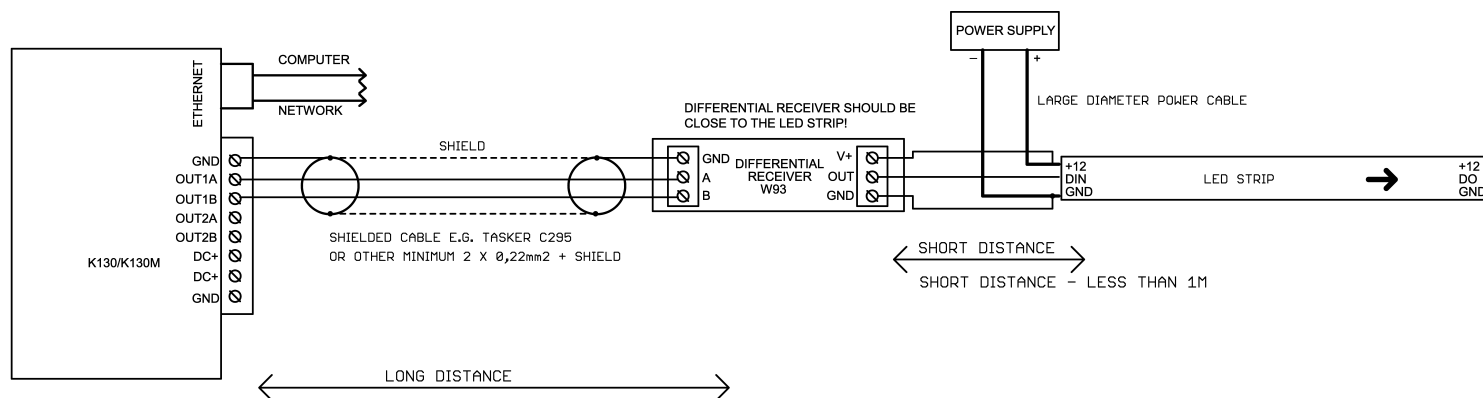


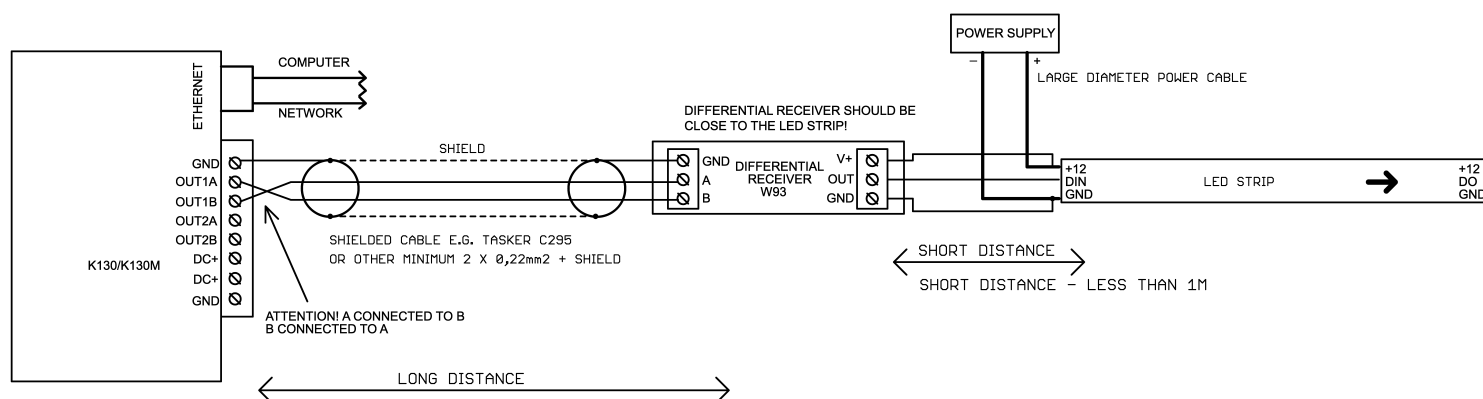
The W93 differential receiver allows the digital LED signal to be transmitted over long cables when the K130 or K130M controller is located too far from the LED strip, resulting in signal interference. The device can be connected in two ways, as shown in the diagram below. The connection method depends on the type of LED strip used. The device should always be placed as close to the LED strips as possible.

The operating principle of the device is based on converting a differential (symmetric) signal into a single-ended (asymmetric) signal. This type of transmission is commonly used in RS-485 communication buses. The device includes a built-in termination resistor.

VARIANT 1: STANDARD LED STRIPS – RGB, RGBW SK6812, CCT WS2811, MONO.



VARIANT 2: INVERTED SIGNAL STRIP – RGBW TM1814, CCT TM1814.



Device specifications:

Supply voltage: 5–24V DC
Dimensions: 60 x 18 x 15 mm

Required Operating Conditions:

- Ambient temperature: +1°C to +40°C
- Relative humidity: 30% to 75%
- The device may only be installed by a qualified person with the appropriate certifications.

Required Storage Conditions:

- Only in enclosed spaces where the atmosphere is free of vapors and corrosive substances.
- Ambient temperature: -30°C to +40°C, air humidity: 30% to 90% (non-condensing).

Device Disposal:

The device must not be discarded in regular waste bins. Unneeded or used products should be delivered to specialized recycling centers operated by municipal authorities.

