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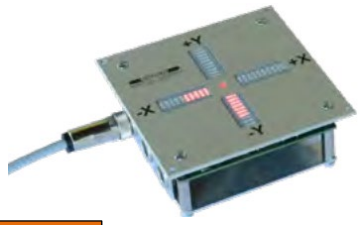
Thank you for choosing WYLER!
Read this quick reference before start working with the **LED CROSS.**
Please note the safety instructions.



Brand and Type	**LED CROSS**
Art. no.:	**065-005-002**

Warning! The following sign is used in this Quick Reference:
This is intended to indicate special danger. **WARNING**

Safety instructions The **LED** cross is a built-in part without a housing. It complies with the applicable standards. After installation in his application, the customer ensures the necessary conformity in accordance with the locally applicable regulations.

Intended Use
-The **LED CROSS** is designed exclusively as a remote device for wired connection of two of our ZEROTRONIC sensors with address 1 and 2.
- **Attention!** There is no other use allowed!

Not intended use
- Do not use as a hammer!
- Do not throw the device! The device can cause serious injury.

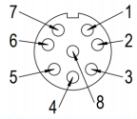
WARNING
- Do not use this device near sources of strong electromagnetic energy Radiation (e.g., unshielded radio frequency source) because they can interfere with operation.

Scope of delivery
- LED CROSS
- USB cable 015-018-468-USB (for programming)
- USB flash drive with Program LED CROSS configurator
- Quick Reference (**data sheet**: www.wylerag.com) **Optional:** Case

Technical specifications

Material	Aluminium - anodized
Dimension L x W x H	96 x 96 x 40 mm
Hole-Ø / hole center distance	Ø 3 mm / 89 x 89 mm
Operating temperature	-20 ... 85°C
Weight	171 g
Communication protocol sensors	RS485, 7 DataBits, 2 StopBits, no parity, 9600 bps
Update speed of the display	2 - 3 Hz
External power supply	24 V DC, 0.8W
Digital Out (OUT_1 ... OUT_7) **Digital In (IN_1 ... IN_4)**	Vmax: 30V Output: Open Collector, max sink current is 140mA over all outputs Input: Min logic high level is 5V

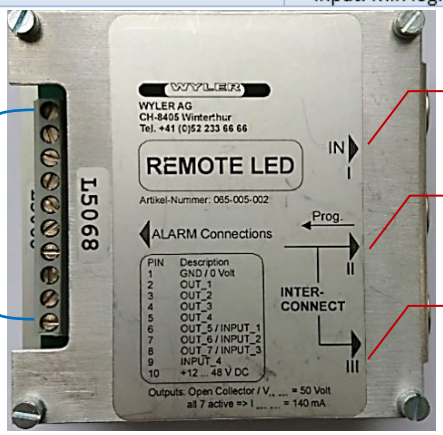
Pinout Port 1 (Sensors)



Pin	Name	Description
1	+24 V	+ 24 V DC power in
2	GND	Ground
3	+ 5 V	+5 V DC power out
4	RTA	WYLER RS485 channel A
5	RTB	WYLER RS485 channel B
6	--	Not used
7	--	Not used
8	--	Not used

Screw terminal

Pin	Name	Description
1	GND	Ground
2	OUT_1	OUT_1
3	OUT_2	OUT_2
4	OUT_3	OUT_3
5	OUT_4	OUT_4
6	OUT_5 / INPUT_1	OUT_5 / INPUT_1
7	OUT_6 / INPUT_2	OUT_6 / INPUT_2
8	OUT_7 / INPUT_3	OUT_7 / INPUT_3
9	INPUT_4	INPUT_4
10	+24 V	+ 24 V DC power in



Port I: Sensors

Port II: Power input 24V DC

Port III: Configuration via USB cable 015-018-468-USB.

Please Note: To lock the connectors, the threaded ring is tightened until it is 'finger-tight' (approx. 50 Ncm)

Decommissioning, disposal

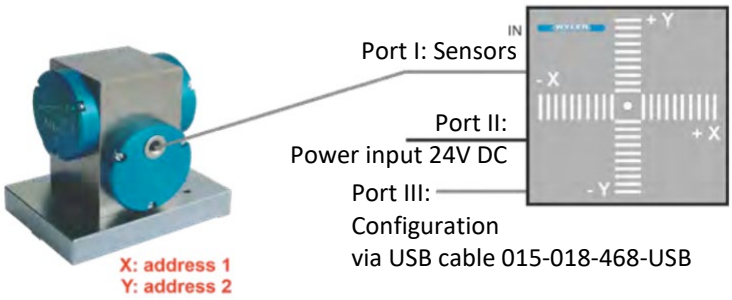
WARNING

When decommissioning the LED CROSS, follow the local regulations for Disposal of electronic waste.

How two use the LED CROSS:

Via the input socket (Port I), always **two** sensors must **be** connected via:

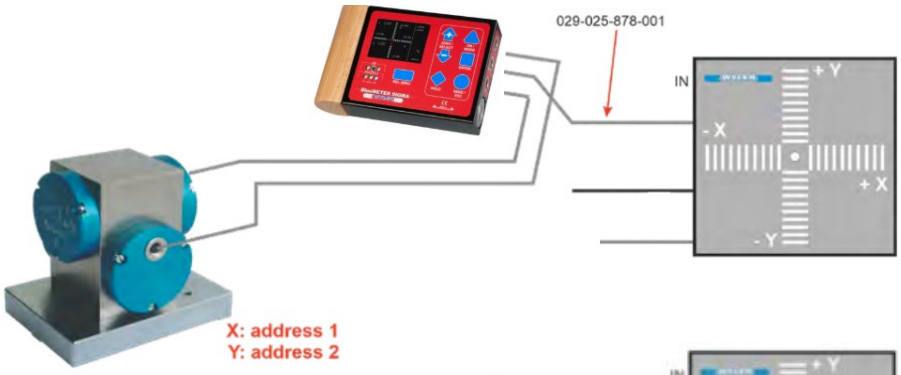
the **Precision 2-D block** with one socket



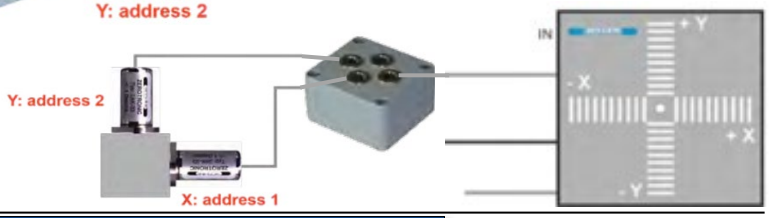
or with **BlueMETER SIGMA**

with

the **Precision 2-D block** with two sockets



or
with a **Splitter box**

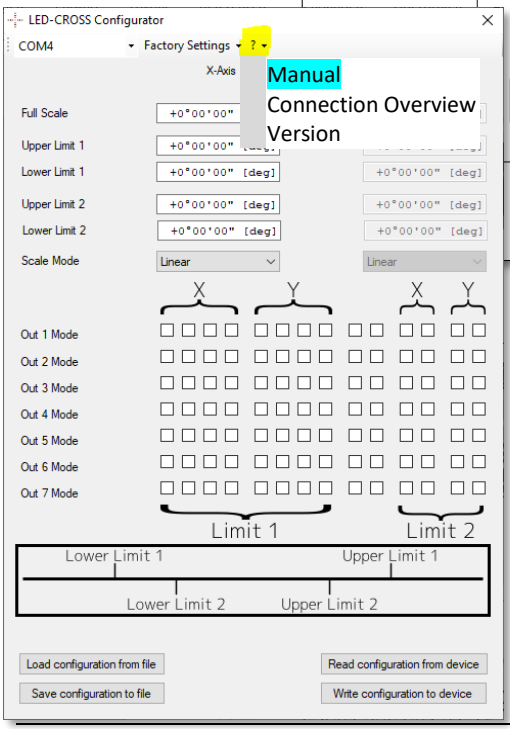


Configuration

a) Download the **wylerSOFT – Info-Center** from www.wylerag.com

b) press SDK Tools

c) download LED Cross Config.



d) start LED Cross Config.

e) Menu « ? » and choose Manual.

f) follow the instructions ➔