



ZDNG001

OPERATING INSTRUCTIONS

wenglorTPL

PREAMBLE

This Technical User Guide contains warnings and guidance for correct and safe operation of the product.

These instructions must be followed at all times. wenglorTPL will not be held responsible for problems caused by using the product contrary to these instructions and the Warranty will be deemed invalid.

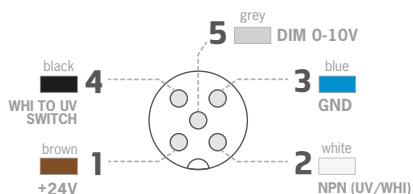
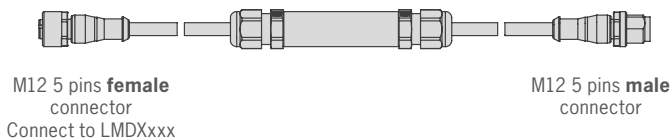
UNPACKING

Products are packed in our factory, using suitable materials for a safe transport through the usual means of transportation, in France and internationally. However, a damaged package must be reported to the carrier on delivery. Hand-written reservations must be indicated on the delivery order. Moreover, please send a letter or an email to wenglorTPL as soon as possible (up to 24 hours after the delivery). If the transportation damage has not been stipulated on the delivery order and reported to wenglorTPL in time, the package will not be taken back nor exchanged. To open the package, do not use any cutting blade to avoid damaging the product(s). Please use the delivered accessories, if needed (do not use any other products or equivalents to replace the delivered accessories).

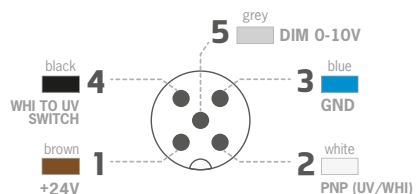
DESCRIPTION

The ZDNG001 converts PNP signals into NPN signals on line 2 as shown in the description below. It is intended for use with wenglorTPL's LMDXxxx products.

Please check the **LMDXxxx user guide** for wiring information.



M12 5 pins female – output



M12 5 pins male – input

ELECTRICAL INFORMATION

Please follow the guidance for set up given in the user manual for the LMDXxxx products. These products are **STROBE ONLY** and the user must respect the operating conditions/duty cycle, power supply required and trigger signal requirements.

The PNP to NPN converter does have a delay in changing the PNP to and NPN signal, given in the table below:

Settings	Rise time	Fall time
Trigger signal -> PNP input – NPN output	0.9 μ s	1.2 μ s

CONNECTION INFORMATION WHEN CONNECTED TO LMDXXXX

STROBE TIMING LIMITS

D max	t min	t max	max frequency
10 %	30 μ s	10 ms	310 Hz

- D : duty cycle
- t : pulse duration
- CW : continuous working

DON'T EXCEED
310 Hz



STROBE TRIGGERING MODE - PNP (both types)

PNP → From 0 to 2V product is OFF, from 5V to 24V product is ON.

Ref: V01-1101201-A1, 03/2024, edition. Features and presentations liable to changes without notice.