

# LO8M

## General

The logic output LO8M allows to output up to 8 logical signals from compatible signal converters or data loggers (like SICOLOG, SICO3, SICO2, CFDL1, DL16CAN) via the LIO connection.

The LO8M is not short-circuit-proof, and a freewheeling diode must be provided for inductive loads (such as small relays). Note that the LO8M is not suitable to drive larger relays. In this case a PSW2M can be used instead.

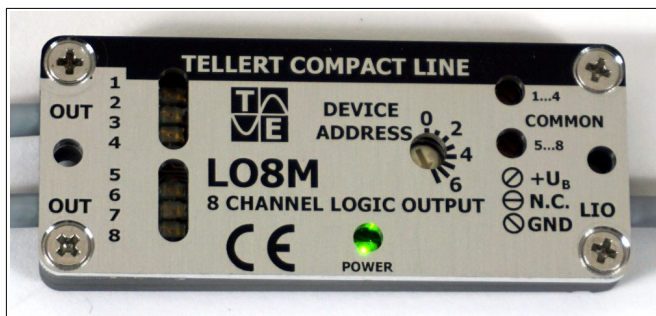


Figure 1: Logic Output LO8M.

## Circuit Layout

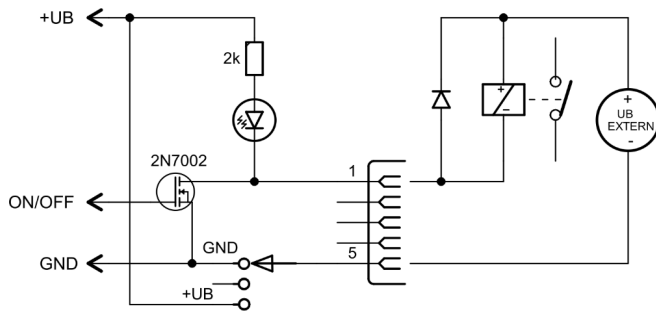


Figure 2: Circuit layout of the LO8M with self-powered external circuitry.

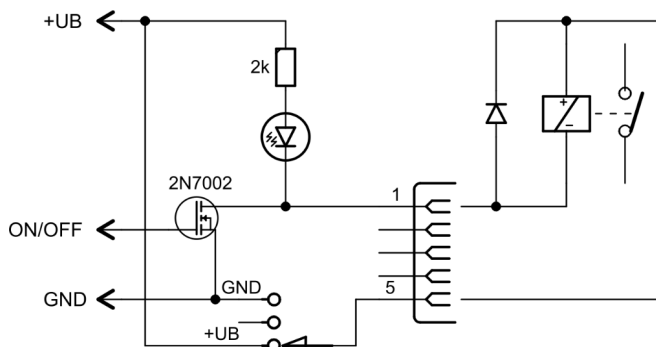


Figure 3: Circuit layout of the LO8M with external circuitry.

## Pin Assignment

The sockets and plugs of the LO8M are manufactured by Binder and parts of [Binder Series 719](#).

**IN1...4 / IN5...8:** This socket provides the outputs for the logical output signals.

Pin	Assignment
1	Channel 1 (or channel 5). Max current for all 4 channels = 100 mA.
2	Channel 2 (or channel 6). Max current for all 4 channels = 100 mA.
3	Channel 3 (or channel 7). Max current for all 4 channels = 100 mA.
4	Channel 4 (or channel 8). Max current for all 4 channels = 100 mA.
5	Depending on the switch state, either not connected (3 o'clock position), or +U <sub>B</sub> (2 o'clock position), or 0 V (4 o'clock position). Max. current = 100 mA.

**LIO:** This plug provides the connection to the I<sup>2</sup>C bus of the signal converter or data logger.

Pin	Assignment
1	Supplying voltage U <sub>B</sub> (6...16 V DC)
2	Ground
3	SDA (serial data line)
4	SCL (serial clock line)

## Technical Data

Box dimensions:	62 mm x 26 mm x 8 mm
Typical weight:	35 g
Typical current consumption without output voltage:	5 mA