

# Data sheet

## *Flex-Dim 4.2 Hardware*



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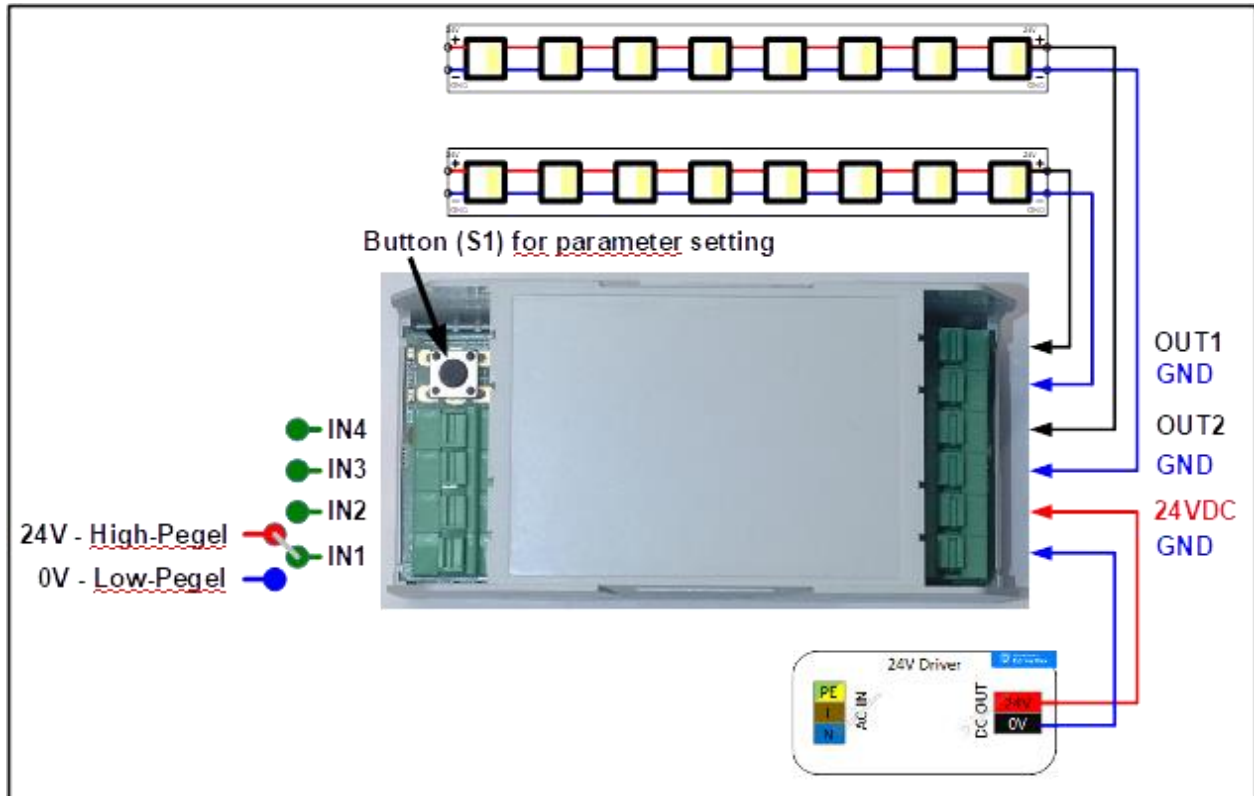
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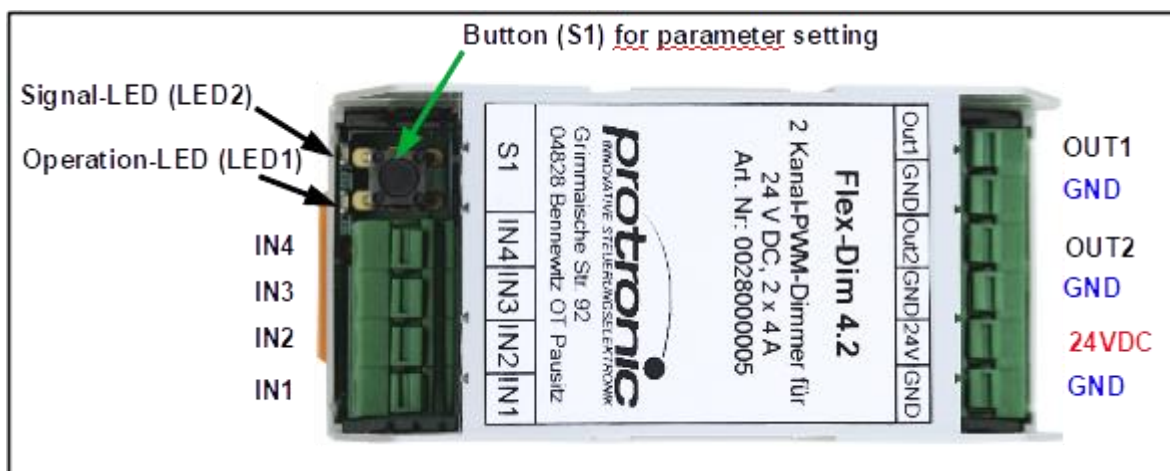
## 2. Change overview

version	data	name	remark / reason for the change
1	07.01.2025	Jakobza	- new

### 3. Connection diagram



### 4. Flex-Dim 4.2: Connections and signals



## 5. general parameters:

- Dimensions (HxWxD): 75 x 35 x 52 mm<sup>3</sup>
- Weight: approx. 35 g
- Permissible ambient temperature: 0 °C ... +40 °C

## 6. electrical parameters:

- Supply voltage: 24 VDC (5V minimum voltage only for Flex-Dim 4.2)
- Power consumption at 24 VDC: approx. 4 mA

### • OUT1 + OUT2:

- High-side switch - output load must be switched between OUTx (positive pole of the load) and GND (negative pole of the load), see connection diagram
- maximum load current at 24 VDC
- OUT1: 4 A
- OUT2: 4 A
- Overcurrent protection: max. 8 A total current of OUT1 + OUT
- Signal frequency of the PWM signal adjustable from 100 Hz and 2000 Hz

### • IN1, IN2, IN3, IN4:

- Input voltage: 0 ... 24 V
- Input resistance: 9,66 kOhm
- Reverse polarity protection
- Overvoltage protection: max. 28 V
- open input: is recognised as low level (approx. 0 V)
- Adjustable switching point (for 5 V and 12 V input signals)

### • Optional extensions:

- CAN-Interface (CAN FD; ISO11898-1)
- Bluetooth (BLE 5.4) / Zigbee
- RS-485 (BACnet; Modbus)
- RS-232 (BACnet)