

CLS-K-10

Pin assignment ¹

brown	GND
pink	+24 VDC
green	Analog output +
yellow	Analog output GND
gray	NPN switching output ²
white	NPN switching output ³



Fig. 8 Power supply cable, open ends

Connection type
NPN O.C

Pink	+ 24 VDC
Gray	0 V → active dark switching
White	0 V → active light switching

6. Operation and Setting

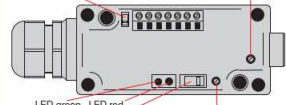
6.1 Operation and Display Elements

6.1.1 Models CLS-K-10 up to -51



Fig. 12 View on operating and display elements models CLS-K-10 up to -51

S2 Switch for light/dark changeover ¹ P2 Potentiometer for timer ¹



LED green LED red
S1 Range switching P1 Potentiometer sensitivity

OLD



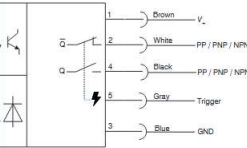
Fig. 13 Operating and display elements models CLS-K-10 up to -51

1) Not available with all versions

CLS1000-QN-NPN

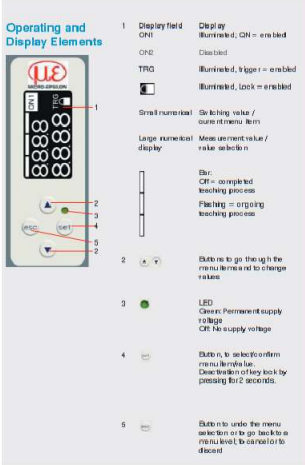
Pin Assignment / Supply voltage 4-Pin or 5-Pin (only with Trigger Function)

Pin	Signal/Assignment	Description	Comments, circuitry	Cable color (Cable KCH1000)	
1	V ₊	Supply voltage	12 ... 30 VDC $I_{max} < 50$ mA	Brown	
2	OUT2	Switching output QN	V ₊ max. 12 ... 30 VDC, $I_{max} = 100$ mA, signal level depends on supply voltage. Programmable switching characteristic: ¹ NPN, PNP, PP	White	
3	GND	Ground	Ground for supply, switching output QN, analog output Q and trigger (IN) ²	Blue	
4	OUT1	Switching output Q	V ₊ max. 12 ... 30 VDC, $I_{max} = 100$ mA, signal level depends on supply voltage. Programmable switching characteristic: ¹ NPN, PNP, PP	Black	
5 ³	TRIG ²	Trigger (IN) ²	Max. 30 VDC; input current $I_{max} = < 1$ mA	Gray ⁴	



NEW

Operating and Display Elements



1 Display field
ON: Illuminated, ON = enabled
OFF: Disabled
TRG: Illuminated, Trg = enabled
Small numerical display: Switching value / current status
Large numerical display: Measurement value / value selection

2 Buttons to go through the menu items and to change values

3 LED Green: Permanent supply voltage
OR: No supply voltage

4 Buttons to select/confirm menu items
Default: Confirmation of menu item by pressing for 2 seconds

5 Buttons to undo the menu selection and to go back to the menu level, to continue to discuss