



- § The switch box controls and supervises the lamps of signal heads
- § Possible to connect up to 6 three light signal heads
- § 12 VDC lamps can be connected (up to 38 W)
- § 42 VAC power supply from control unit
- § Communication via CAN bus
- § Connection of multiple switch boxes is possible
- § Control of signal head, digital input, relay output and power supply for detectors possible using one cable
- § Robust, surge-protected construction



Technical data

Case	Dimensions: 500 mm x 500 mm x 300 mm Weight: ca. 30 kg
Operating temperature	- 25°C ... + 60°C without condensation
Storage temperature	- 25°C ... + 85°C
IP protection	IP54 (electronic components)
Operating voltage	42 VAC / 50 Hz (from control unit)
Connections	§ 6 three field signal heads each with 1 additional digital input, 1 relay output and 1 power supply for detectors § 4 separate I/O § 2 CAN bus connectors § CEE shrouded connector 42 VAC/32 A
Signal backup	Blocking signal: adjustable undercurrent threshold Releasing signal: recognition of incorrect signals All signals: lamp failure CRC monitoring of the signal backup information Over the control computer deTRAcon
Configuration	
Standards	DIN VDE 0832 (Feb. 2002) DIN EN 12675 (Dec. 2000) DIN VDE 0100 TL-Transportable Lichtsignalanlagen 97 RiLSA
Field bus	CAN bus 100 kb/s, V2.0 part B (active), galvanically isolated, terminating resistor on last CAN node
Address setting	On the switch module using a turn switch HEX encoder
<u>Digital inputs</u>	
Number	10
Galvanically isolated	Yes
Rated voltage	12 VDC

Technical data



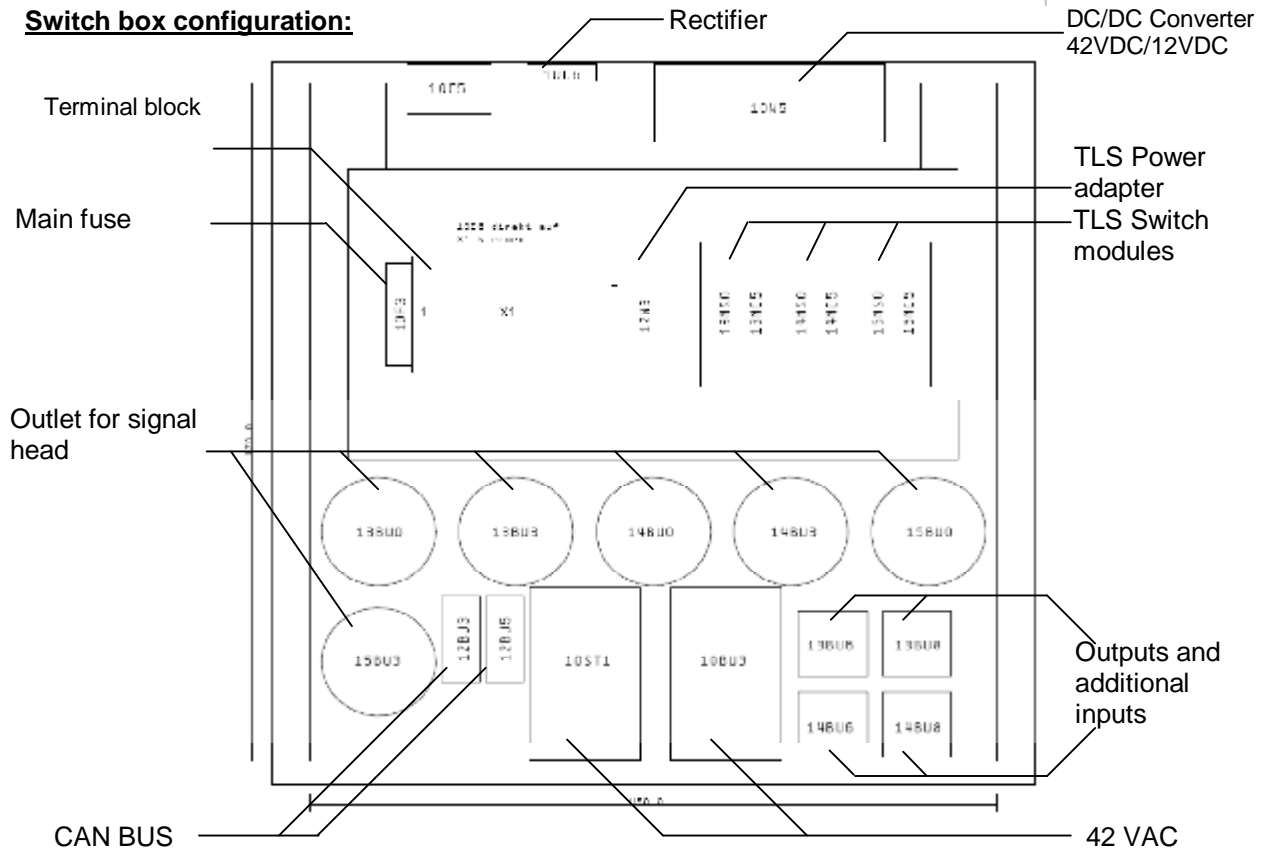
Connector type	Automobile connector (13 pol), circular connector (5 pol)
0 state	Input open
1 state	Input connected with 0 V
Power I₀ through switch	0 mA
Power I₁ through switch max.	15 mA

Additional outputs

Monitoring	No
Number	6
Galvanic isolation	Yes, between the outputs as well as between the output and internal circuit

Connector type	Screw coupling connector
Output type	Electromechanical relay outputs
Contact type	Normally open contact
Max. switching voltage	42 V
Max. switching current	6A (cosφ = 1) / 1A (cosφ = 0.6)
Min. switching current	100 mA / 5 VDC
Voltage type	AC / DC
Operating cycles	5 x 10 ⁶
Contact resistance max.	100 mΩ

Switch box configuration:



Scope of delivery

Switch box (Article no. 101)

Accessories

Power cable i.e. 25 m (Article no. 118)

Bus cable i.e. 25 m (Article no. 123)

- technical information subject to change without notice -

Scope of delivery

Accessories

