

TDS13522

Dual Ceiling Sweep Fan Interface



The ceiling fan interface is a DIN-rail device made to control up to two traditional ceiling fans working on 100-250VAC. The speed control is done by switching fan specific capacitors (to be installed and connected in the housing of this TDS13522 interface). 2 to 5 speeds (off + 4 speeds) are supported. The fan specific capacitors are to be provided from the ceiling fan supplier.

APPLICATION

Ceiling fan integration

CHARACTERISTICS

General

Up to 2 ceiling fans can be connected.
Maximum fan load rating: 2x 1,5A.
Supported speeds:

- 2 speed: OFF | MAX
- 3 speed: OFF | LOW | MAX
- 4 speed: OFF | LOW | MED | MAX
- 5 speed: OFF | LOW | MED | HIGH | MAX

Capacitors

The capacitors for the ceiling fan will be supplied by the ceiling fan manufacturer (three wire type: Common, Low and Med).
Max. dimensions of each of the two capacitors:
42 D x 21 W x 39 H (mm)

LED feedback

Fan speed indication on the interface:

- off: OFF
- 1 blink: LOW
- 2 blinks: MED
- 3 blinks: HIGH
- constant on: MAX

Graphical feedback

The ceiling fan speed can be graphical visualised on the TELETASK GUI's and interfaces with a display.

Supported versions:

GUI+: PROSOFT V3.4 and up
iSGUI: V2.0.10 and up
AURUS-OLED: V.028 and up
AURUS-TFT: V.054 and up

SETTINGS

Configuration

Via PROSOFT Suite (V3.4 or higher).

AUTOBUS address

Via two rotary switches "Tens" & "units".

Jumpers

Terminating resistor (supplied with the interface). To be used when the interface is at the physical end of the AUTOBUS cable.

INSTALLATION

DIN-rail mounting

7,5 modules.

Capacitors

The capacitors (one for each ceiling fan) must be placed under the cover of the interface and connected to the proper terminals.

Supply voltage

Minimum 9V (supplied by the AUTOBUS).

Important installation remarks

- ! Must be placed inside an electrical cabinet to avoid the risk of an electrical shock.
- ! Follow the safety standards from the local authorities to be compliant with all regulations.

CONNECTIONS

AUTOBUS

AUTOBUS connector set + patch cable supplied with this unit.

Inputs

L+N 100-250VAC. Screw terminals; max. 4mm² (solid) or 2,5mm² (stranded).
Must be protected with external 2A fuses.

Outputs

Screw terminals; max. 4mm² (solid) or 2,5mm² (stranded).

Capacitors

Spring connection terminal 3x 1,5mm² (solid or stranded). To be placed inside the interface.

POWER CONSUMPTION

AUTOBUS

Max. 235 mA

DIMENSIONS

135 W x 90 H x 60 D (mm)

NET | GROSS WEIGHT

0,340 kg | 0,440 kg

PACKAGING CONTENT

TDS13522 interface
AUTOBUS connector set
AUTOBUS Patch cable

ENVIRONMENTAL CONDITIONS

Storage (with no condensation or icing)

Temperature: -20°C to +65°C max.
Relative humidity: 5% to 85% max.

Operation (with no condensation or icing)

Temperature: 5°C to +50°C max.
Relative humidity: 5% to 80% max.

IP PROTECTION RATE

IP20

SCHEMATIC DRAWING

TDS13522

