



TDS12135 COOKIE digital input interface with LED feedback and PT100 input

Miniature input interface with four voltage free contact inputs and four outputs for feedback LED's and one PT100 analog input for room temperature measurement. The four inputs can be used to connect standard push button contacts and any other Voltage free contact like door- or window contacts, etc.

The TDS12135 is particularly useful when the connected (custom) panel buttons have a built-in LED and an opening for a PT100 room temperature sensor. The feedback LED will be lit when the configured PROSOFT function is ON (true) and OFF when not (false).

The interface is small enough to be built-in about any type of wall box and can be connected to the TELETASK AUTOBUS with the supplied connector set.

APPLICATION

Digital input interface for up to four buttons with built-in low current LED's. In addition, there is a room temperature PT100 input for custom-built switch panel applications.

The TDS12135 can also be used only for 2-wire PT100 integration. The sensor wires can be max. 20cm. If the distance is longer, you can use the COOKIE-AD ref TDS12301 instead (PT100 3-wire application).

CHARACTERISTICS

Contact inputs: Four voltage free contacts (low frequency; max 0.5Hz).

LED-outputs: Possibility to connect four low current LED's. (Current through LED's is limited to 5mA.: no series resistor is needed).

PT100 input: for a 2-wire PT100 room temperature sensor

SETTINGS

Configuration

Via PROSOFT V3.8.1.4 or higher.

AUTOBUS address

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

Jumper

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

INSTALLATION

In a wall box or comparable junction box, like for example behind a standard push button. Indoor use only.

Important: if you use the PT100 input, be sure that the sensor is in the room air flow and doesn't touch the wall or mechanical construction/front plate of the custom switch panel. If necessary, the measured temperature can be compensated +/- 5°C in PROSOFT.

Supply voltage

12V supplied by the AUTOBUS (minimum 9V). Can be checked in PROSOFT Diagnostics/interfaces.

CONNECTIONS

AUTOBUS

AUTOBUS connector set (supplied with the interface).

Inputs / Outputs

Ten spring contacts for four contact and four feedback LED's + 2 for the PT100 sensor. See below for the connection scheme.

Recommended wire section 0,75 mm² (20 AWG) or 1mm² (18 AWG); max 1,5mm² (16 AWG)
Maximum wire length to the button: 2 meter
Maximum wire length to the PT100: 20cm

The feedback LED's can be powered by AUTOBUS (red wire) Max. 12V or Max. 24V via separate wire. See below for the connection scheme.

POWER CONSUMPTION

AUTOBUS

Min 13mA – Max 34mA (All LED's ON at 5mA)

DIMENSIONS

42 W x 42 H x 16 D (mm)

NET | GROSS WEIGHT

0,020kg | 0,047kg

PACKAGING CONTENT:

TDS12135 interface
AUTOBUS connector set
(LED's and PT100 not included)

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)

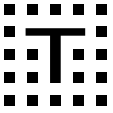
Temperature: 0°C to +50°C max.
Relative humidity: 5% to 80% max.

IP PROTECTION RATE

IP20

LIMITED WARRANTY

Four years



SCHEMATIC DRAWINGS

