



TDS12340BE

P1 interface for digital meter (BE+NL)

TDS12340BE is an AUTOBUS interface that provides the connection between the AUTOBUS and the P1 port of the digital meter (electricity and gas). This interface ensures that the TELETASK system can have access to the consumption and injection data of your electrical and gas installation. The TELETASK system can, based on the read-in measurement data, switch on consumers when the installation, for an adjustable time, injects energy into the grid (surplus by solar panels). This can be the socket of your washing machine, dryer and dishwasher or another socket. If you also have a connection with your heat pump, and/or hot water boiler, these can also be controlled based on the measured energy parameters. On the other hand, the system can also take care of switching off circuits in the event of peak load.

APPLICATION

Interface for optimizing your own consumption of energy generated by solar panels and limiting peak load. The interface is also particularly interesting for visualizing energy consumption and generation (key panels, touch screens and mobile app).

CHARACTERISTICS

General

DIN-rail interface with AUTOBUS and P1 connection for integrating the digital gas and electricity meter with the TDS system. Display of real time consumption is limited to 32000W.

Indication LEDs

- Heartbeat LED (BUS)
- P1 power supply: power LED (coming from the P1 meter)
- Data-LED:
 - flashes when receiving data from the meter (On/OFF every second) = everything is fine
 - LED is ON continuously and brighter as the power LED = data signal (wire 5 in the cable) is damaged
 - LED is ON continuously and as bright as the power LED = cable is connected to the S1 connector instead of P1 connector
 - 'Data' LED is OFF and 'Power' LED is ON = AUTOBUS is not connected.

SETTINGS

Configuration

With PROSOFT Suite (V3.8. 4 or higher).

AUTOBUS address

With rotary wheel switches "Tens" (dozens) + "Units".

Jumpers

AUTOBUS terminating resistor (supplied with the DoIP control panel). Should only be placed if this interface is located at the physical end of the AUTOBUS cable.

INSTALLATION

DIN-rail mounting

2 modules wide (36mm)

Inputs

12V powered by the BUS (minimum 9V). Voltage level measurable (from a distance) in PROSOFT Diagnostics .

Important note when installing:

! Follow the safety regulations of the local authorities to comply with all regulations.

! Attention only use the supplied 'STRAIGHT' cable!

CONNECTIONS

AUTOBUS

AUTOBUS connector set and patch cable included.

Input P1

RJ12 connector with RJ12 cable of 3 m length to the digital meter included.

The cable can be up to 10 meters long.

Via third parties, a P1 extension adapter and cable can be used for distances of up to 100 meters between P1 interface and digital meter.

Gas meter: If you have a digital gas meter, it is normally automatically (wirelessly) connected to the digital electricity meter.

POWER CONSUMPTION

AUTOBUS

Max. 18mA

DIMENSIONS

90 L x 36 W x 60 H (mm)

NET | GROSS WEIGHT

0.053 kg | 0.174 kg

PACKAGING CONTENT

- TDS12340BE interface
- AUTOBUS connector set
- AUTOBUS Patch cable
- RJ12 cable 3 meters

ENVIRONMENTAL CONDITIONS

Storage (with no condensation or icing)

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

Operation (with no condensation or icing)

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

IP PROTECTION RATE

IP20

LIMITED WARRANTY:

4 years

SCHEMATIC DRAWING

