TELETASK
trendsetter in domotics

TDS14042   Universal RS232 (A-V and other) interface

Residential multi-room/multi-source (MR) audio/video systems are often still provided with an RS232 control interface. Besides the existing wide range of audio/video integration solutions, TELETASK therefore introduces a configurable and learnable RS232 audio/video interface.

By using this interface an in deep Home Automation integration is realized. Audio/video control is possible from every TELETASK user interface (buttons, panels, touch screens, remote control, PC, mobile devices, …).

The interface has also 8 IR-flasher outputs to directly control (extra) audio/video sources.

APPLICATION
Interface used to integrate the TELETASK system with RS232 provided audio/video systems.

CHARACTERISTICS
AUTOBUS
The interface is connected to AUTOBUS at one side and at the other via RS232 with concerned audio/video system. There are also 8 IR-flasher outputs (mini-jack) for IR flashers order ref. TDS14043 (1x included with the interface).
900 codes, 16 sources and 24 zones are supported.

SETTINGS
Configuration
Via PROSOFT Suite 3.2 or higher. IR-code learning via IRSOFT (included with PROSOFT Suite).

AUTOBUS address
Via two rotary switches "Tens" & "units". Factory preset at AUTOBUS address 24. Open the housing to change the address setting. Occupies only one address.

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

INSTALLATION
In the immediate neighbourhood of the connected audio system (RS232 cable limited to 50 meter).
IR flashers (optional) are sticked in front of the IR receiver of the audio system (IR cable limited to 75 meter)

CONNECTIONS
AUTOBUS
Through RJ45 cable to standard RJ45 wall connector (wall connector is not included)

Power Supply
Schuko Mains adapter included (230V/50Hz). Can be exchanged by other adapter with same output voltage and current (12V/200mA).

RS232
Via 9-pins SUB-D connector (cable is male connector). Used for learning IR-codes and for operation with the RS232 audio/video device.

POWER CONSUMPTION
Max. 25 mA

DIMENSIONS
140 W x 35 H x 110 D (mm)

PACKAGING CONTENT
TDS14042, NULL modem cable (Male-Male), BOSE data cable, RS232 SUB-D (Male-Female), 1x IR-flasher, patch cable (AUTOBUS), power supply cable.

NET | GROSS WEIGHT
0.8 kg |0,9 kg IP20

STORAGE
Temperature
-20°C to +65°C

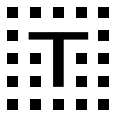### Relative humidity
15% to 85%

IP PROTECTION RATE
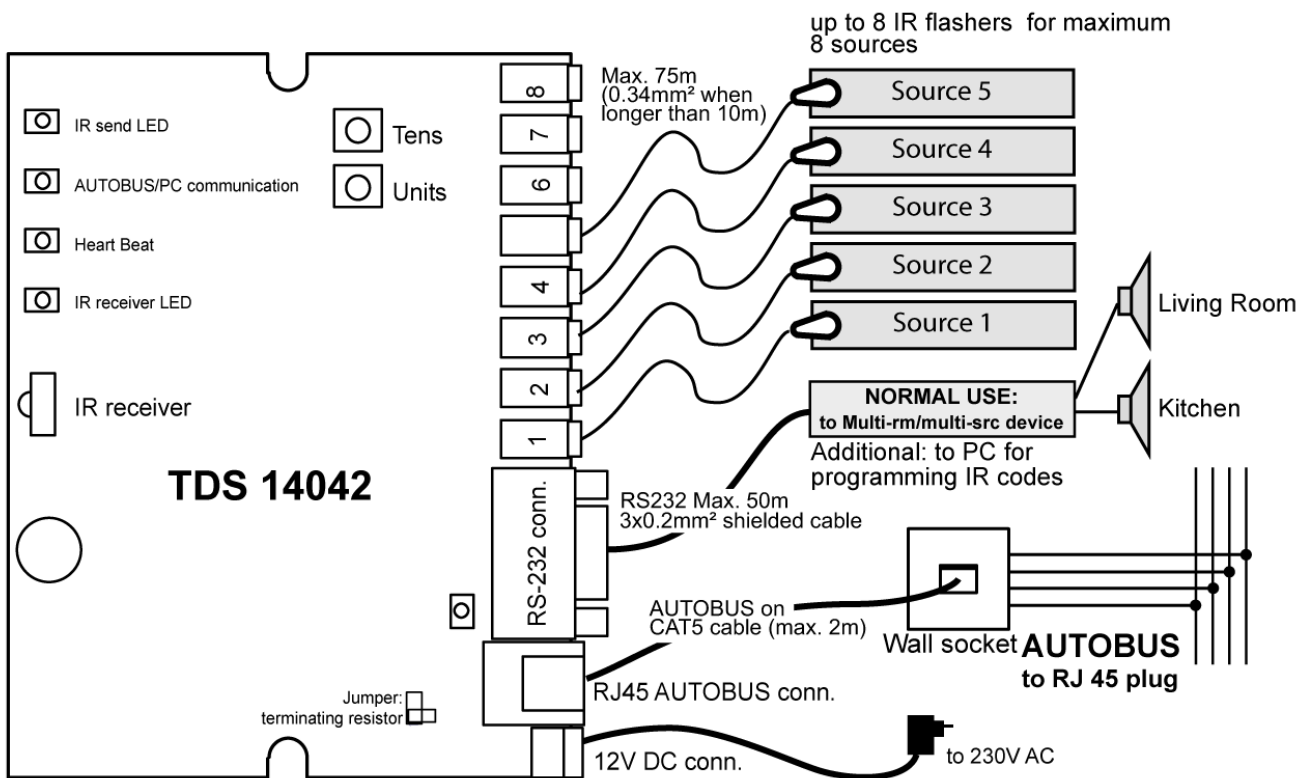IP20

OPERATING RANGE
Temperature
0°C to +50°C max.

Relative humidity
5% to 80% at 25°C (non-condensing ambient)

SCHEMATIC DRAWING

TDS 14042

up to 8 IR flashers for maximum 8 sources

Max. 75m (0.34mm² when longer than 10m)

- IR send LED
- AUTOBUS/PC communication
- Heart Beat
- IR receiver LED
- IR receiver

Tens
Units

TDS 14042

Source 5
Source 4
Source 3
Source 2
Source 1

Living Room
Kitchen

NORMAL USE:
to Multi-rm/multi-src device
Additional: to PC for programming IR codes

RS232 Max. 50m
3x0.2mm² shielded cable

RS-232 conn.

AUTOBUS on CAT5 cable (max. 2m)

Wall socket **AUTOBUS to RJ 45 plug**

RJ45 AUTOBUS conn.

Jumper: terminating resistor

12V DC conn.

to 230V AC

AUTOBUS to RJ45 connection table

RJ45 pin	RJ45 Cable Color	AUTOBUS	
Pin 1	White/Orange	shield	shield
Pin 2	Orange	green wire	IR Link
Pin 3	White/Green	white wire	B
Pin 4 + 7	Blue + White/Brown	red wire	12V
Pin 5 + 8	White/Blue + Brown	black wire	0V
Pin 6	Green	blue wire	A