COMPACT central unit   **TDS10040**

Central unit fully equipped with 40 analog outputs 0-10V, outputs for 72 relays (9 x 8-fold relay module with Sub-D connection), expandable with 4 relay modules on AUTOBUS ref. TDS13500.

There are two AUTOBUS connections, on which, in total 50 interfaces can be connected. All the inputs are to be connected by AUTOBUS, is 40 x 8 = 320. Up to 16 of them can be sensor inputs.

Programming is done by means of PROSOFT and TIMESOFT. A licence for this software is to be ordered separately.

Application:	Domotics installations with up to 320 contact inputs, 120 relays outputs, 40 dimmer outputs and up to 16 sensors.

Characteristics:	Outputs:	Domotics installations with up to 320 contact inputs, 120 relays outputs, 40 dimmer outputs and up to 16 sensors.
		Maximum occupation:
		• relays outputs: 120 (= 15 modules)
		• motor outputs: 56 (= 14 modules)
		• dimmer outputs: 56 (= 7 modules)
	Inputs:	2 AUTOBUS connections are available for maximum 25 interfaces per AUTOBUS, where the overall total is 50.
		Maximum AUTOBUS cable length is 1000 m (150 m without extra power suplly).
		1 RS232-interface (9 pins).
	System limits*:	25 Transparent functions.
		40 Timed or Motion Detector Functions.
		56 Motor functions.
		10 Fan functions.
		130 Local Moods.
		10 Timed Local Moods.
		20 General Moods.
		24 Sensor Zones.
		16 Audio Zones.
		100 Clock Functions.
		30 Proces Functions.
		45 Flags.
		40 If-then-else Functions.
		50 Messages and/or Alarms.
		35 Conditions.
		50 Chip Cards and/or Alarms
		50 Rooms
	Timer limits*:	Fan function: max. 7200 sec.
		Timed function: max. 7200 sec.
		Motor function: max. 7200 sec.
		Timed Local Mood: max. 7200 sec. per line

	Power Supply	Maximum dissipated load: 130W Voltage: 100-250VAC Frequency: 50Hz / 60Hz

Settings:	Programming:	Through the PROSOFT software. Remark: from PROSOFT V2.75 the Menu structure on the COMPACT central unit is dramatically simplified. Only the "active interface test" and the "interface message test stays available without any password.
	DIP switch	DIP1: 8 DIP-switches on the processor board:Baudrate (bold = default): Switch 5, 6 and 7 : not used Switch 8 : initialisation of the RAM memory (default set)

AUTOBUS			PC	
Baudrate	Switch 1	Switch 2	Switch 3	Switch 4
1200	OFF	OFF	-	-
2400	ON	OFF	OFF	OFF
4800	OFF	ON	ON	OFF
9600	ON	ON	OFF	ON
19200	-	-	ON	ON

Installation:		Mounting on a flat surface. To be mounted with the LCD-screen on eye level. All cable entrees are at the bottom.

Connections:	AUTOBUS	Two AUTOBUS connectors are situated at the right below the cable between bottom and door.
	External relay boards:	By sub-D conn. via dedicated cables (ref. TDS9010x)
	Dimmer outputs:	Screw connectors on the interface board. Max. cable length between dimmer 0-10V control output and the dimmer is 25m
	RS 232:	Sub-D connector 9 pole female on the pcb
	Power supply:	100-240V(50-60Hz) by power cord (included).
	Earthing:	Always connect the screws below outside the housing, with the central main earth connection (at least 4mm²).

Dimensions:	Dimensions	Width: 560; Height: 650; Depth: 140 (in mm)
	Weight	14,9 kg

Schematic Drawings:

TDS10040

to DIMMERS
always use shielded cable

to output modules

to output modules
special shielded cable ref.
TDS90103, TDS90105 or TDS90110

to dimmer modules

to output modules

to bus interfaces

safety earth connection

85 - 250V
40 -400Hz
power supply
connection

safety earth connection

OUTPUTS 49 - 72 (to TDS13100/TDS13110)

65 - 72

57 - 64

49 - 56

D40 - D37   D36 - D25   D24 - D13   D12 - D1

AUTOBUS 1

AUTOBUS 2

1 - 8   9 - 16   17 - 24   25 - 32   33 - 40   41 - 48   RS232
TO PC

OUTPUTS 1 to 48 (to TDS13100/TDS13110)

Power supply 1 (single)
= spare part TDS90130

Power supply 2 (triple)
= spare part TDS90131