

### TDS10200

### NANOS central unit



DIN-rail compatible central unit equipped with 2 AUTOBUS connections. Configuration and communication via USB and Ethernet (LAN/WAN) connection with PROSOFT Suite. 2 x 31 (=62) AUTOBUS interfaces can be connected or 4 x 31 (=124) in combination with the TDS10202 AUTOBUS extension interface.

Up to 10 NANOS central units on LAN can behave as one large integrated system with up to 1240 interfaces. See technical handbook for remarks.

Download the latest version of PROSOFT Suite on [www.teletask.be](http://www.teletask.be)

#### APPLICATION

Home and building automation solutions with a maximum capacity of 1500 inputs and outputs (x10 over LAN).

#### CHARACTERISTICS

##### Outputs\*

Maximum capacity: 500 outputs (the total number of relays outputs + dimmer outputs + motor outputs together is 500).

##### Inputs\*

Equipped with:

- 1 USB connection
- 1 Ethernet connection
- 2 AUTOBUS connections (extendable to 4 using the optional TDS10202 AUTOBUS extension interface).
- Each AUTOBUS has a capacity of up to 31 interfaces (one physical interface may occupy more than one address).
- AUTOBUS length: max. 1000m (about 150m without optional power supply, depending on the number and type of connected interfaces).

##### System Limits\*

- 500 Local Moods
- 50 General Moods
- 500 Rooms
- 50 Timed Local Moods
- 500 Sensor Zones
- 50 Audio Zones
- 250 Transparent Functions
- 250 Timed or Motion Detector Functions
- 250 Fan Functions
- 250 Process Functions
- 500 Clock Actions
- 500 Flags
- 500 If-Then-Else Functions
- 500 Messages and/or Alarms
- 500 Conditions
- 500 Chip Cards and/or Proximity Tags

##### Timer Limits\*

- Fan Function: max. 7200 sec.
- Timed Function: max. 7200 sec.
- Motor Function: max. 7200 sec.
- Timed Local Mood: max. 7200 sec. per step
- Motion Detector: max. 7200 sec.

##### Power Supply

2 x 12VDC input (one for each AUTOBUS)  
Use TDS10132 or TDS10134 (AUTOBUS 1 and 2 are galvanically isolated if every AUTOBUS has its own isolated power supply).

#### SETTINGS

##### Programming

With PROSOFT Suite 3.1 or higher

##### AUTOBUS terminating resistor

Integrated on the unit

##### Restart

Restarts the central unit

##### SW1

Push in SW1 for 10 second. Herewith the Ethernet settings of the DOIP central unit are brought back to DHCP (or 192.168.0.200).

##### SW2

Sends IP address of the central unit to the PC (over Ethernet)

##### Reset to factory settings

'SW1'+ 'SW2' long (10s): restart central unit to factory settings

#### INSTALLATION

##### DIN-rail mounting

9 modules wide.

Standard DIN-rail mounted. Eye level is recommended

##### Supply voltage

12V supplied by the AUTOBUS (minimum 9V).

#### CONNECTIONS

##### AUTOBUS 1

Plug-in screw terminal (including shielding)

##### AUTOBUS 2

Plug-in screw terminal (including shielding)

##### AUTOBUS extension interface

Special connection to an optional TDS10202 AUTOBUS extension interface (becomes 4 x AUTOBUS).

##### USB

USB B connection for direct communication with the PC

##### Ethernet

Connection to the LAN network using a RJ45/CAT5 patch cable

##### Power Supply

Plug-in screw terminal

##### Earth connection

Always connect this central earth connection to the earth connection of your electrical installation.

#### POWER CONSUMPTION

##### AUTOBUS

Consumption is depending of the interfaces connected to the busses (consumption without interfaces: 140mA on the first AUTOBUS; 25mA on the second AUTOBUS).

#### DIMENSIONS

160 W x 60 H x 78,5 D (mm)

**NET | GROSS WEIGHT**

0,240 kg | 0,370 kg

**PACKAGING CONTENT**

TDS10200 Central unit

**STORAGE**

**Temperature**

-20°C to +65°C

**Relative humidity**

15% to 85%

**IP PROTECTION RATE**

IP20

**OPERATING RANGE**

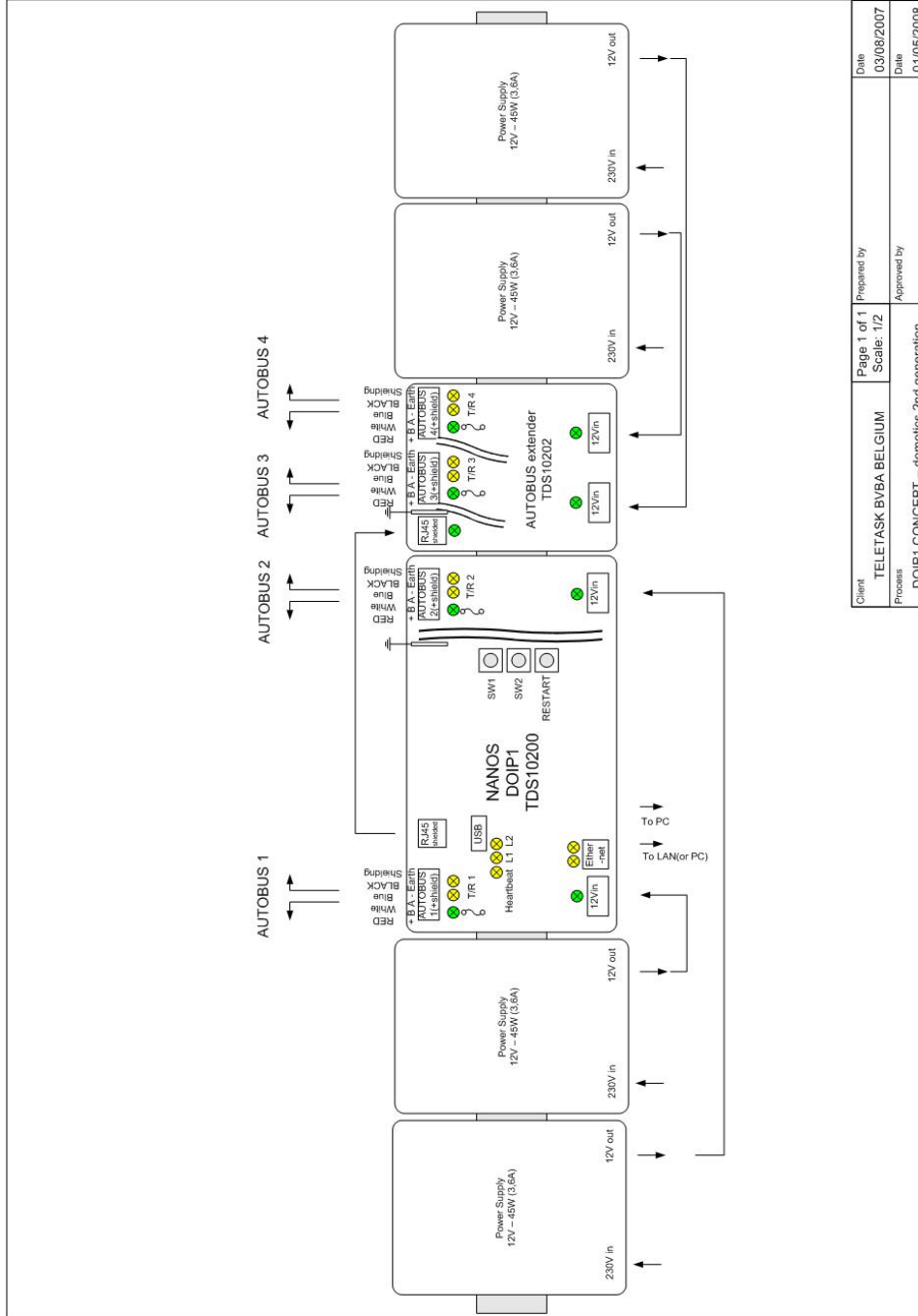
**Temperature**

0°C to +50°C max.

**Relative humidity**

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

**SCHEMATIC DRAWING**



Client	TELETASK BVBA BELGIUM	Page 1 of 1	Prepared by	Date
Process	DOIP1 CONCEPT - domotics 2nd generation	Scale: 1/2	Approved by	Date
				03/08/2007
				01/05/2008