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TNC-A1305

## TNC-A1305

**AS-I CONTROLLER WITH 1 MASTER IS A COMPACT AS-I MASTER SYSTEM WITH INTEGRAL TEXT/GRAPHIC DISPLAY AND PROFIBUS DP INTERFACE.**

Controller for controlling actuators and for monitoring the damper blade position and duct smoke detectors

- Controller with TROXNETCOM Basic User Software
- Easy and safe commissioning without programming
- Controller with master function for stand-alone operation
- System monitoring
- Automatic recognition of components and their status
- Menu-driven user interface (controller display) for system configuration
- Peripheral equipment can be tested without additional auxiliary equipment

## Application

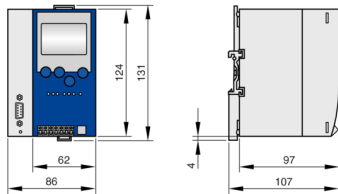


### Application

- AS-i controller TNC-A1305 with 1 master for 31 AS-i slaves
- Decentralised operating and monitoring system with signal preprocessing and gateway
- With TNC Basic User Software
- Recognition of all slaves on a bus
- For initialising the AS interface network
- Error diagnosis and signalling
- LC display, 43 x 28 mm, also for operation
- PROFIBUS DP interface

## TECHNICAL INFORMATION

## AS-i controller TNC-A1305



Description	TNC-A1305
Supply voltage	24 V DC
Current consumption	< 500 mA
Power consumption	< 10 VA
Programming interface	RS232C: RJ11; 9600 – 115200 Bd, galvanically isolated
Data interface	PROFIBUS DP (EN 50170); max. 12 MBd slave
Diagnosis via PROFIBUS DP	Yes
PLC memory for user program	128 Kwords
Display	Graphic LC display 128 × 64 pixels, 43 × 28 mm
Max. acceptable rel. humidity	< 95 %
Status LED	2 × red; 2 × green; 2 × yellow
Ambient temperature	0 to 60 °C
Storage temperature	-20 to 70 °C
Protection level	IP 20
MTTF	5 years
AS-i profile	M3
AS-i certificate	61103
Casing materials	Aluminium, galvanised sheet steel
Casing dimensions	124 × 97 × 86 mm
Fixing	On DIN mounting rail

### Standard description (characteristics)

AS-i controller TNC-A1305 (1 master) is a compact AS-i master system with integral text/graphic display and PROFIBUS DP interface.

- Control of components as part of fire damper control

Integral TNC Basic User Software with the following functions:

- Automatic recognition of TROX modules and their functions
- Automatic grouping
- Network control
- Automatic functional test
- Manual control of dampers
- Integral display, also for operation
- Simple, menu-driven configuration and adjustment

- Supply voltage: 24 V DC
- Total current consumption from AS-i: < 10 mA
- Casing materials: Aluminium, galvanised sheet steel
- Ambient temperature: 0 – 60 C°
- Protection level: IP 20
- Status display: LEDs, 2 x red, 2 x green, 2 x yellow
- Make: TROX GmbH or equivalent
- Type: TNC-A1305

# TNC – A1305



### **1** Component

<b>TNC-A1305</b>	Controller with PROFIBUS DP interface; 1 master
<b>TNC-A1306</b>	Controller with PROFIBUS DP interface; 2 masters
<b>TNC-A1353</b>	Controller with Modbus/TCP interface; 1 master
<b>TNC-A1354</b>	Controller with Modbus/TCP interface; 2 masters
<b>TNC-A1375</b>	Gateway with PROFIBUS DP interface; 1 master
<b>TNC-A2225</b>	Repeater
<b>TNC-ZB0252</b>	AS-i safety gateway
<b>TNC-Z0119</b>	Passive bus termination
<b>TNC-A1146</b>	AS-i tuner (diagnosis module)