



TNC-A1353

TNC-A1353

THE AS-I CONTROLLER WITH 1 MASTER IS A COMPACT AS-I MASTER SYSTEM WITH INTEGRAL TEXT AND GRAPHIC DISPLAY; IT IS USED AS A STAND-ALONE CONTROL SYSTEM. IT IS PROVIDED WITH AN RS232C INTERFACE AND AN ETHERNET 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

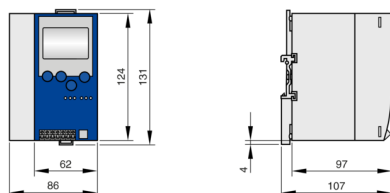


Application

- AS-i controller TNC-A1353 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
- Ethernet
- Modbus/TCP interface

TECHNICAL INFORMATION

AS-i controller TNC-A1353



Description	TNC-A1353
Supply voltage	24 V DC
Current consumption	< 400 mA
Power consumption	< 10 VA
Programming interface	RS232C: RJ11; 9600 - 115200 Bd, galvanically isolated Ethernet CAA, RJ45; 10/100 MBd
Data interface	Modbus/TCP
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	1 × red; 2 × green; 3 × yellow
Ambient temperature	0 to 60 °C
Storage temperature	-20 to 70 °C
Protection level	IP 20
MTTF	5.2 years
AS-i profile	M3
AS-i certificate	In preparation
Casing materials	Aluminium, galvanised sheet steel
Casing dimensions	124 × 97 × 86 mm
Fixing	On DIN mounting rail

Standard description (characteristics)

AS-i controller TNC-A1353 (1 master) is a compact AS-i master system with integral text/graphic display and Ethernet interface. (Modbus TCP)

- 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, 1 x red, 2 x green, 3 x yellow
- Make: TROX GmbH or equivalent
- Type: TNC-A1353

TNC – A1305

1

1 Component

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