

TROX GmbH

Heinrich-Trox-Platz
 D-47504 Neukirchen-Vluyn
 Telephone +49/28 45/2 02-0
 Telefax +49/28 45/2 02-2 65
 e-mail trox@trox.de
 www.troxtechnik.com

Product Information TROXNETCOM-AS-Interface Repeater

PI/7.1/8/EN/1

AS-i Repeater TNC-A2215

Use of repeaters

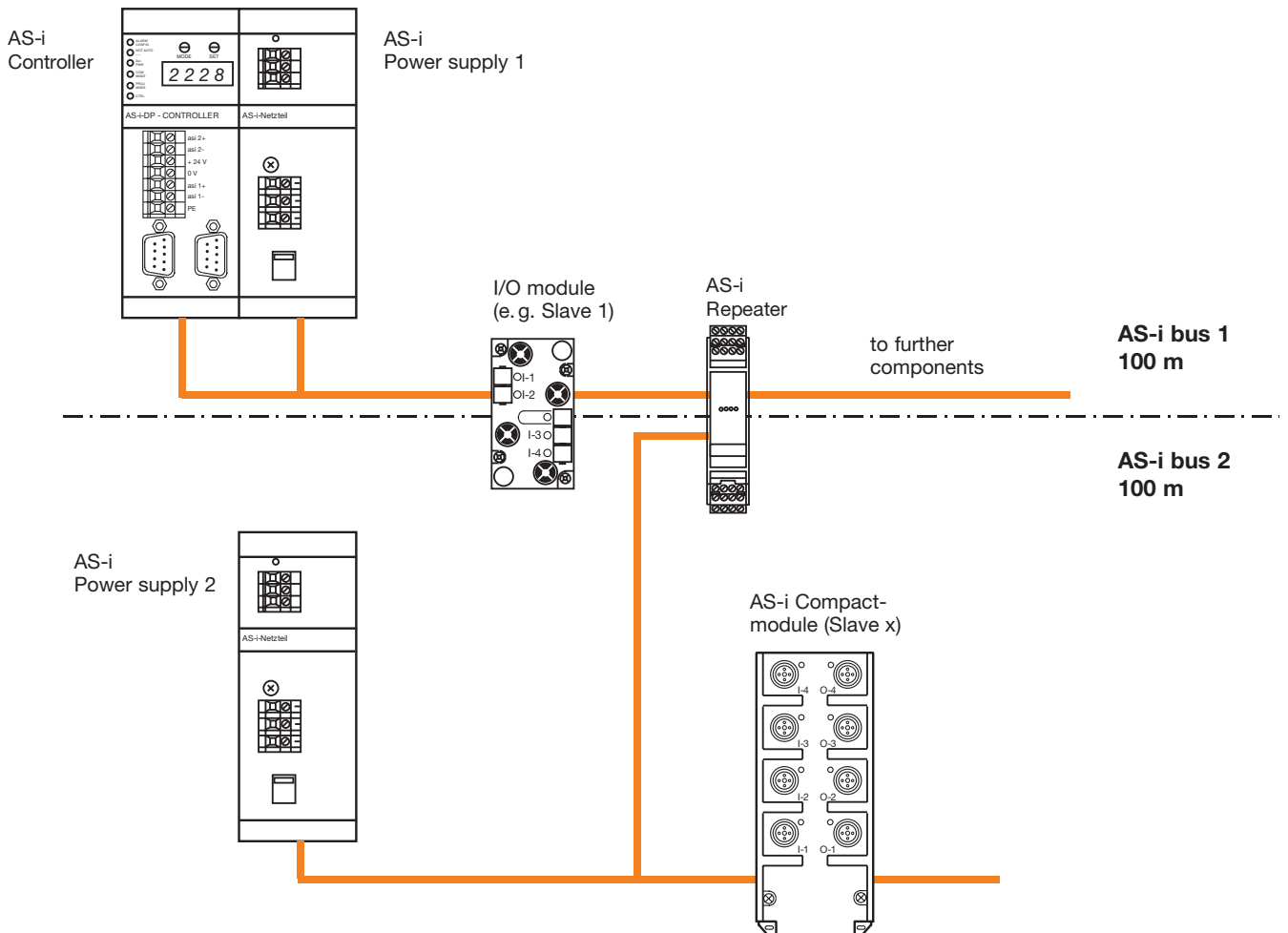
AS-i repeaters are used to further extend the classical length of AS-i controllers for 100 m. An existing segment of 100 m can be extended with additional 100 m. The total number of 31 slaves per controller remains unaffected.

At the same time, the repeater offers a galvanic separation of both AS-i branches, which can be used for an increased safety against short-circuits.

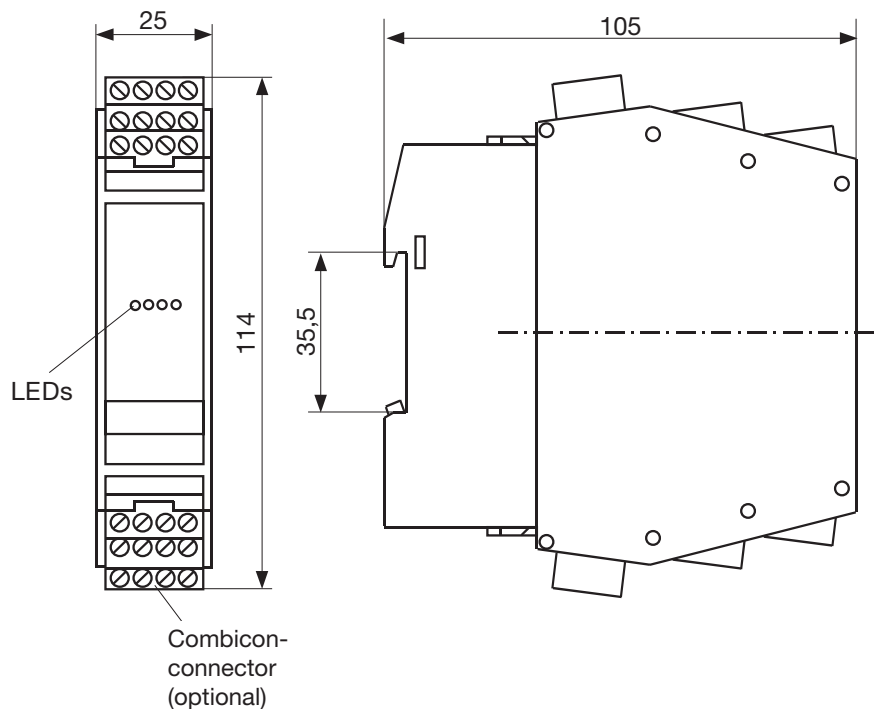
Active components (slaves) can be placed before and behind the repeater.

Likewise, two AS-i power units are supported.

System structure with repeater



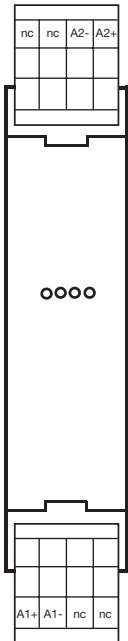
Repeater TNC-A2215



Technical data

Order code	TNC-A2215
Supply voltage [V]	26.5...31.6 DC
Current consumption [mA]	60 depending on each AS-i segment
AS-i interfaces	2
Number of additional required AS-i power units	1
Number of repeaters / controllers	
Parallel operation	Arbitrarily within AS-i specifications
Tandem	max. 2
Galvanically decoupled	Yes
Function display	
Operation LED	2 x green
Error LED	2 x red
Operating temperature [°C]	0...+55
Protection class	IP 20
EMC	EN 50295
Housing material	PA 6.6
Note	The AS-i repeater does not occupy a slave address. The total number of slaves per master bus (31) remains unchanged. No configuration is necessary.

Wiring TNC-A2215



Connections

A1+	AS-i+	Bus 1
A1-	AS-i-	Bus 1
A2+	AS-i+	Bus 2
A2-	AS-i-	Bus 2
n.c.	not connected	

LEDs

LED 1 PWR green	AS-i voltage 1
LED 1 FAULT red	Communication error bus 1
LED 2 PWR green	AS-i voltage 2
LED 2 FAULT red	Communication error bus 2