

► BrunataNet RS485 – ControllerBox

Consumption metering with remote reading

The new BrunataNet RS485 network gives instant overview of electricity, water and heat consumption in apartment buildings – whether the number of households is seven or seven thousand. Meter reading takes place from an ordinary PC without disturbance to residents.

BrunataNet RS485 is Brunata's most advanced system for remote-read consumption metering. Primarily developed for remote reading of electricity, water and heat consumption, the system can also be used for other purposes: for example direct recording of gas consumption, as well as signal communication in other contexts such as alarm systems.

The RS485 communication protocol is used, enabling us to choose between several different system component manufacturers.

The system consists of a ControllerBox and if necessary one or more Repeater Boxes depending on the number and cable length of connected receivers.



Technical specifications

Manufacturer's data

Manufacturer:	Brunata a/s
Designation:	BrunataNet RS485
Type:	Data gathering unit, ControllerBox (can be interconnected with one or more repeater boxes for system expansion)
Weight:	4.6 kg
Dimensions:	357 x 276 x 81 mm
Mounting:	3 mounting holes, any position
Enclosure rating:	IP 10

Power supply

Power supply:	85 - 264 VAC, 47 Hz to 63 Hz, 230 VAC, 0.5A (1.5 m special HAR AC cable with Danish 3-pole AC connector)
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Power switch:	None (must be established in connection with 3-pole socket)
Operating temp.:	0 °C to 45 °C @ 80% RH, 60 °C @ 60% RH
Connections:	Max. 40 x RS485 FM radio receivers via 4 x 4-pole terminal block "Net 1" to "Net 4" 4-pole terminal block "Interconnection" to Repeater Box (Total cable length: max. 1200 m or 120 nF. Voltage at last receiver must be >14 V. Cable type "Brunata PTH 2x2x0.6", 2 x 2-core, twisted pair, diam. 0.6 mm. Cable termination mounted on terminal block). DSUB9 male, COM port output connector for RS232 modem/PC connection (For S/W protocol see separate description)
Conformity:	CE labelled (EMCD EN50081-1, EN50082-1 LVD EN61010-1 with A1, A2)

Brunata is a 100 % Danish owned company. We have more than 85 years of experience within developing and producing heat cost allocators and heating accounts. Brunata a/s has implemented a quality system in accordance with EN ISO 9001. Please contact us for further information on our products.