

## ► BrunataNet RS485 – RepeaterBox

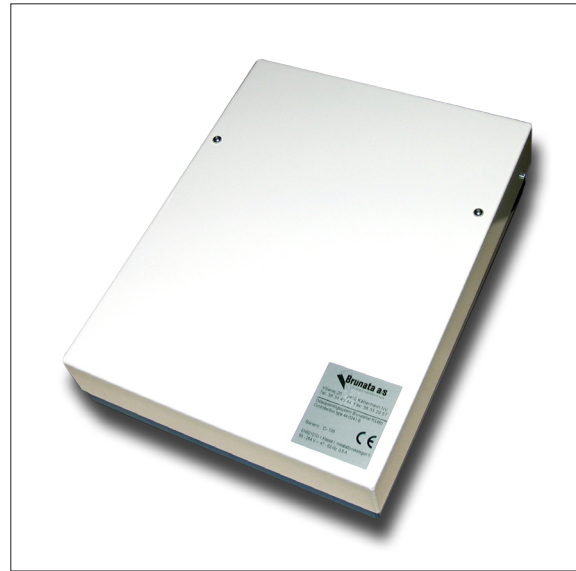
### Consumption metering with remote reading

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, RepeaterBox<br>(connect to Controller Box for 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 V AC, 47 Hz to 63 Hz<br>230 V AC, 0.5A, DC output = 24 V >2<br>A (1.5 m special HAR AC cable with<br>Danish 3-pole AC connector) |
|---------------|---|

|                  |   |
|------------------|---|
| Power switch:    | None (must be established through<br>3-pole socket)   |
| Operating temp.: | 0 °C to 45 °C @ 80% RH, 60 °C @ 60% RH  |
| Connections:     | Max. 40 x RS485 FM radio receivers<br>via 4 x 4-pole terminal block "Net 1"<br>to "Net 4"<br><br>4-pole terminal block "Interconnec-<br>tion" to Controller Box<br>(Total cable length: max. 1200 m or<br>120 nF. Voltage at last receiver must<br>be >14 V. Cable type "Brunata PTH<br>2x2x0.6", 2 x 2-core, twisted pair,<br>diam. 0.6 mm. Cable termination<br>mounted on terminal block). |
| Conformity:      | CE labelled<br>(EMCD EN50081-1, EN50082-1<br>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.*