

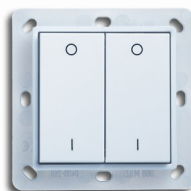
## Technical Datasheet dialog RC-Lx / Jx / Nx

### 1. Product description

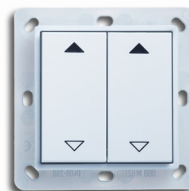
The all-purpose wireless light and sunblind switches transmit their values to the LON radio receivers dialog RC-E or lumina MS/RC. Being maintenance-free and battery-free radio transmitters, changing of batteries is obsolete. They are available in three colors and with one or two rockers.

Mounting on plaster, glass or other smooth surfaces is done via a central plate that can be glued or screwed in place. The radio switches are compatible to the following switch programs with 55mm x 55mm switch elements:

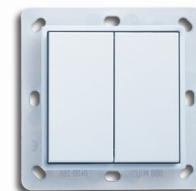
|         |                                |
|---------|--------------------------------|
| BERKER: | S1, B1, B3, B7, Glass          |
| GIRA:   | Standard 55, E2, Event, Esprit |
| JUNG:   | A500, Aplus                    |
| MERTEN: | M-Smart, M-Arc, M-Plan         |



dialog RC-L2



dialog RC-J2



dialog RC-N2



dialog RC-L1



dialog RC-J1



dialog RC-N1

## 2. Technical data

### Radio transmitter

|                       |  |
|-----------------------|--|
| Supply                | battery-free through energy harvesting |
| Frequency, Modulation | 868.3 MHz, ASK                         |
| Transmission power    | 10mW max.                              |
| Switch cycles         | min. 50000                             |

### Range of radio signal

|                      |                         |
|----------------------|-------------------------|
| No obstacles         | 30-100m*                |
| Plaster/wooden walls | 30m (max. 5 walls)*     |
| Stone walls          | 20m (max. 3 walls)*     |
| Reinforced concrete  | 10m (1 wall / ceiling)* |
| Metal                | 0m*                     |

### Environmental conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating temperature | -25°C ... +65°C in dry rooms |
| Relative humidity     | 0% to 95%                    |

### Conformity

|                 |   |
|-----------------|---|
| R&TTE 1999/5/EC | Radio and Telecommunications Terminal Equipment |
|-----------------|---|

The products may be sold and operated without registration and free of charge in the countries of the European Union, Switzerland and Croatia.

\*Note: The maximum range of radio signals depends on the local environment and can be reduced by physical effects like reflection and/or superimposition of the radio signals.

### 3. Order information

| Order number | Name         | Marking | Rocker | Color             |
|--------------|--------------|---------|--------|-------------------|
| 442 501 W    | dialog RC-L1 | 0 / I   | 1      | pure white        |
| 442 501 GW   | dialog RC-L1 | 0 / I   | 1      | pure white glossy |
|              |              |         |        |                   |
| 442 502 W    | dialog RC-L2 | 0 / I   | 2      | pure white        |
| 442 502 GW   | dialog RC-L2 | 0 / I   | 2      | pure white glossy |
|              |              |         |        |                   |
| 442 505 W    | dialog RC-J1 | Δ / ▼   | 1      | pure white        |
| 442 505 GW   | dialog RC-J1 | Δ / ▼   | 1      | pure white glossy |
|              |              |         |        |                   |
| 442 506 W    | dialog RC-J2 | Δ / ▼   | 2      | pure white        |
| 442 506 GW   | dialog RC-J2 | Δ / ▼   | 2      | pure white glossy |
|              |              |         |        |                   |
| 442 503 W    | dialog RC-N1 | none    | 1      | pure white        |
| 442 503 GW   | dialog RC-N1 | none    | 1      | pure white glossy |
|              |              |         |        |                   |
| 442 507 W    | dialog RC-N2 | none    | 2      | pure white        |
| 442 507 GW   | dialog RC-N2 | none    | 2      | pure white glossy |

## 4. Support

The information given in this manual was carefully compiled. Should you have any further questions regarding this product, please contact:

### **SafeSquare GmbH**

Am Graben 2-6  
42477 Radevormwald  
Germany

Fon: +49 (2191) 56814-0  
Fax: +49 (2191) 56814-89  
Email: [info@safesquare.eu](mailto:info@safesquare.eu)