

## SH01 Radio humidity sensor Format 55

The SH01 radio sensor combines a humidity sensor with a push button.

The humidity sensor cyclically measures the relative air humidity and transmits a switching signal to an Easywave radio receiver when defined values are exceeded or reached for a second time. The receiver can then switch connected devices on, such as fans or electrical window openers.

The push button function is a standard Easywave application designed to switch electrical devices ON or OFF.

The sensor can be integrated into cover frames with a cut-out dimension of 55 x 55 mm produced by various manufacturers (see compatibility list on p.29).



SH01E5002-01-02K

### Technical specifications

Coding	factory coding with Easywave telegram
Frequency	868.30 MHz
Channels	2
Range	typically 150 m in good free-field conditions
Power supply	1x 3V battery, CR2032; alternatively: 12-24 V AC/DC wired
Measuring range	1-99 % relative humidity (RH)
Accuracy	± 5 % (at 30-70 % RH)
Switching value	>74 % RH; fast increase of >4 % at >40 % RH
Function	measuring and transmitting air humidity levels, switching ON/OFF (2-button operation)
Operating temperature	-20 °C to +60 °C
Dimensions	button: 55 x 55 x 9 mm mounting plate: 71 x 71 x 1.5 mm
Weight	32 g (including battery)
Color	white similar to RAL 9003

### Scope of delivery

- Humidity sensor
- Battery
- Mounting plate
- Mounting material
- Operating manual

### Accessories (optional)

RTS22-ACC-01-01P	Mounting plate, white
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RTS22-ACC-01-01P

### Models

Product numbers	Description	Function
SH01E5002-01-02K	Radio humidity sensor 2-channel, Format 55, 3 V or 12-24 V, white	automatic transmission of switching commands: ON/OFF  manual switching: 1x ON/OFF or 2x PULSE