Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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Item description

The **flex**ROOM® Weather Distribution Box records and transmits weather data within a building automation network consisting of **flex**ROOM® Office Distribution Boxes.

A **flex**ROOM® Weather Distribution Box connects to a weather station or several sensors. The measured weather data are recorded via the digital and analog inputs of the distribution box and made available directly/prepared to other **flex**ROOM® Office Distribution Boxes

In addition to weather data collection, the **flex**ROOM® Weather Distribution Box also supports up to ten time switching channels, which are used to initiate switching processes and setpoint changes for lighting, shading and individual room control (heating, cooling) for **flex**ROOM® Office Distribution Boxes.

Control is performed via "Application Controller BA," which is included in the **flex**ROOM® Weather Distribution Box and preloaded with a **flex**ROOM® Application.

Initial commissioning is performed via WAGOupload (IP address assignment via BootP server).

A standard Web browser performs both later configuration and communication with **flex**ROOM® Office Distribution Boxes directly on the distribution box's controler.

For the connection of higher-level management stations, each **flex**ROOM® Weather Distribution Box provides data in MODBUS tables, that can be read and partly be written by the stations. Configuration data of the **flex**ROOM® Weather Distribution Boxes can cyclically be saved either directly on the included controller or on a separate computer.

The **flex**ROOM® Distribution Box is equipped with WAGO WINSTA® Connection Technology.

Data
Technical data

Visualization	Web Visu
Baud rate	10/100 Mbit/s
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Transmission performance	Class D per EN 50173
Power supply	230 VAC, 50 … 60 Hz

Connection data

Connection technology: communication/fieldbus	EtherNet/IP™: 2 x RJ-45; Modbus TCP/UDP: 2 x RJ-45

Physical data

Width	350 mm

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Height from upper-edge of DIN-rail	140 mm
Depth	250 mm

Mechanical data

Mounting type	Wall, screw mount

Material data

Fire load	18.985 MJ
Weight	6396 g

Environmental requirements

Surrounding air temperature (operation)	-5 … 45 ℃
Surrounding air temperature (storage)	-20 … 70 ℃

Commercial data

Packaging type	not packed
Customs tariff number	8537109170

Downloads
Documentation

Manual

flexROOM®-Weather-Verteiler	V 1.0.2	pdf 1.2 MB	Download
flexROOM®-Weather-Applikation efficient. individual. simple.	V 1.0.1	pdf 6.6 MB	Download

Quick-Start Guide

Zubehörliste für flexROOM-Weather-Verteiler		pdf 163.0 kB	Download

Bid Text

2854-9001 doc - Datei	Nov 8, 2018	doc 38.4 kB	Download
Systemtext_flexROOM.doc		doc 46.1 kB	Download

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2854-9001 X81 - Datei	Feb 19, 2019	xml 8.3 kB	Download
Ausschreibungstext zum Zubehör/flexROOM/Weather		zip 15.8 kB	Download
Leittext_flexROOM-Office Verteiler 2-Rohr-System.doc		doc 38.9 kB	Download
Ausschreibungstext flexROOM-Weather-Verteiler 2854-9001		doc 36.9 kB	Download

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download

Compatibility Information

VDI3813-Liste flexROOM-Weather-Verteiler 2854-9001		zip 39.3 kB	Download

Application Notes

Application Note CoDeSys 2.3

Application Note flexROOM® Weather Decoder	Aug 7, 2015	ZIP 1.1 MB	Download

This Application Note explains how the flexROOM® Weather application can be integrated into a project in which no flexROOM® Office distribution boxes are used.

CAD files

CAE data

WSCAD Universe 2854-9001		URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2854-9001 Weather Distribution box		URL	Download

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Installation Notes

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