



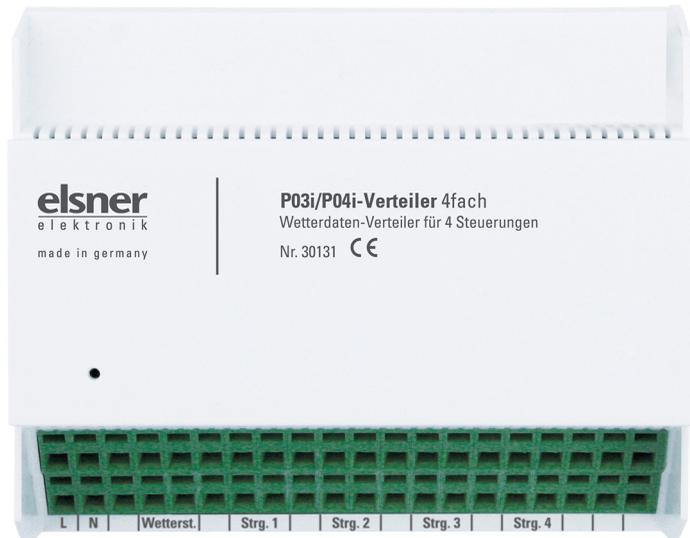
# P03i/P04i distributors

For WS1, WS1000 and KNX WS1000 Color/Style

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## Technical specifications and installation instructions

Part number 30131



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# 1. Description

The **P03i/P04i distributor** operates four WS1 or (KNX) WS1000 Color/Style controls with a P03i/P04i-GPS weather station. The weather data is provided to all connected controls.

## Functions:

- Distribution of a weather station's weather data to the four data outputs. Either a control or a further P03i/P04i distributor can be connected to each data output (cascading)
- Input suitable for: P03i/P04i-GPS
- Outputs suitable for: WS1 Color, WS1 Style, WS1000 Color, WS1000 Style, KNX WS1000 Color, KNX WS1000 Style

### 1.0.1. Deliverables

- Distributor in series installation housing

## 1.1. Technical specifications

Housing	Plastic
Colour	White
Assembly	Series installation on mounting rail
Protection category	IP 20
Dimensions	approx. 107 x 88 x 60 (W x H x D, mm), 6 modules
Weight	approx. 450 g
Ambient temperature	Operation -20...+70°C, storage -55...+90°C
Ambient humidity	max. 95% RH, avoid condensation
Operating voltage	230 V AC, 50 Hz
Power consumption	approx. 6 W
Input	1x P03i-GPS or P04i-GPS weather station
Outputs	4x WS1/1000 control systems or P03i/P04i distributors

The product is compliant with the provisions of EU guidelines:

# 2. Installation and commissioning

## 2.1. Installation notes



Installation, testing, operational start-up and troubleshooting should only be performed by an electrician.

**DANGER!****Risk to life from live voltage (mains voltage)!**

There are unprotected live components within the device.

- VDE regulations and national regulations are to be followed.
  - Ensure that all lines to be assembled are free of voltage and take precautions against accidental switching on.
  - Do not use the device if it is damaged.
  - Take the device or system out of service and secure it against unintentional use, if it can be assumed, that risk-free operation is no longer guaranteed.
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The device is only to be used for its intended purpose. Any improper modification or failure to follow the operating instructions voids any and all warranty and guarantee claims.

After unpacking the device, check it immediately for possible mechanical damage. If it has been damaged in transport, inform the supplier immediately.

The device may only be used as a fixed-site installation; that means only when assembled and after conclusion of all installation and operational start-up tasks and only in the surroundings designated for it.

Elsner Elektronik is not liable for any changes in norms and standards which may occur after publication of these operating instructions.

## 2.2. Installation location

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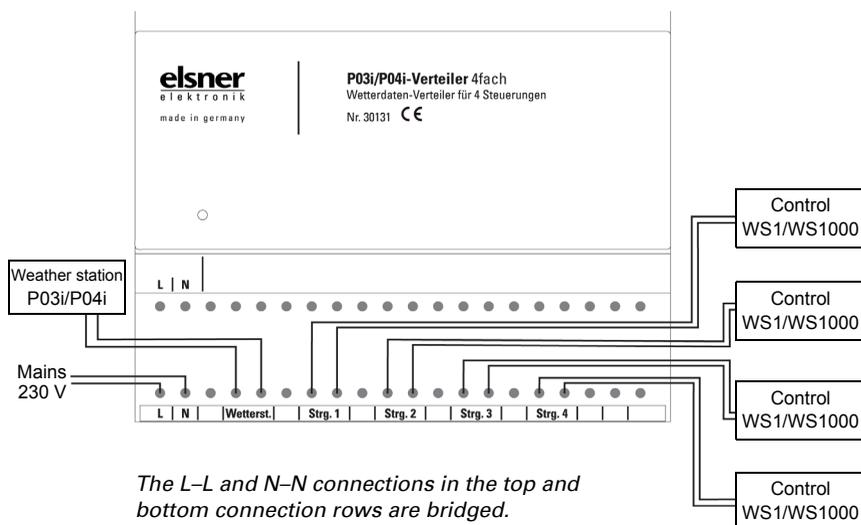


**The device must only be installed and operated in dry, indoor spaces. Avoid condensation.**

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The **P03i/P04i distributor** is designed for series installation on mounting rails and occupies 6U.

## 2.3. Device/connection design



The connection is made with off-the-shelf UV-resistant telephone cable (A-2Y(L)2Y 2x2x0.6 or A-2Y(L)2Y 2x2x0.8). The weather station and control (or additional P03i distributors) can be connected disregarding polarity.

The cable connections between weather station and P03i/P04i distributors and between distributor and controllers should be a maximum of 300 m in length.

## 2.4. Notes on mounting and commissioning

Device must not be exposed to water (rain). This could result in the electronic being damaged. A relative air humidity of 95% must not be exceeded. Avoid bedewing.