



## SmartLink-VAR

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TCPRS1+, RS-485 / Ethernet converter / Wi-Fi

Code: R1LVAR.

> Protocol: TCP/IP | UDP | Modbus TCP/IP | HTTP (Web server)

> Communications: Ethernet, Wi-Fi

### Description

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**SmartLink-VAR** is a gateway designed to convert a physical medium (RS-485) to Ethernet and/or Wi-Fi, and whose purpose is to connect a capacitor bank that has the SMART III regulator to the mycircuitor.com Anti-Reactive Surveillance (VAR) system. The device features a Web Server and the "MyConfig Wifi" app (Android), from which the user can fully edit the configuration parameters of the device.

The device is for installation inside a medium or low voltage electric panel or enclosure, with DIN rail mounting (IEC 60715).

### Application

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For any installation that has a capacitor bank with a **SMART III** regulator and that is to be connected to mycircuitor.com (VAR) via Wi-Fi/Ethernet



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### Specifications

#### AC power supply

Installation category	CAT III
Consumption	2 ... 7 VA
Frequency	50 ... 60 Hz
Nominal voltage	100 ... 264 V ~

#### DC power supply

Installation category	CAT III
Consumption	1,6 ... 2 W
Nominal voltage	120 ... 300 Vdc

#### Mechanical characteristics

Size (mm) width x height x depth	35 x 109,45 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,126

#### Environmental characteristics

Protection class	IP30, Front: IP40 IK08
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20 ... +70 °C
Working temperature	-20 ... +60 °C

#### Communication Network

Protocol	TCP/IP UDP Modbus TCP/IP HTTP (Web server)-REST
Technology / Type	Ethernet

#### Standards

Electrical safety, Maximum height (m)	2000
Standards	EN 62368-1:2020/A11:2020/ AC:2020-05, EN 50663: 2017, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4, ETSI EN 301 893 V2.1.1

#### User interface

LED	6 LED
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#### Serial communication

Technology / Type	RS-485
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#### Wireless communication

Band	2,4 GHz (IEEE 802.11 b / g , IEEE 802.11 n (up 150 Mbps)
Technology / Type	Wi-Fi



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### SmartLink-VAR

RS-485 to Ethernet/WiFi converter for connecting batteries with Computer Smart to the VAR system

CODE	TYPE	Communications	Protocol
R1LVAR.	SmartLink-VAR	RS-485, Ethernet, Wi-Fi	TCP/IP   UDP   Modbus TCP/IP   HTTP (Web server)



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Code: R1LVAR.

### Dimensions

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### Connections

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