

A close-up photograph of the novaCONNECTOR R10 alarm relay station. The device is white with a prominent pink label on top that contains technical specifications and the product name. It has several green terminal blocks on the front for wiring connections.

Product Sheet

# novaCONNECTOR

## The next generation alarm relay station

You've deposited alarm points in numerous places which are to be transferred to a central alarm server? The alarm points are spread out on factory premises or in different locations? You want the transmission to the alarm server to ensue securely and even over redundant channels? You want the necessary hardware to be cost-efficient and easy to install? Then the novaCONNECTOR developed by novalink is perfect for you!

### **novaCONNECTOR R10: periphery integration made easy!**

The novaCONNECTOR makes it possible in the easiest way to directly connect the most popular peripheral systems with novaalert. Up to 16 input contacts, 4 output contacts as well as a serial ESPA4.4.4 interface can be connected. The free scalability makes it possible to equip any number of locations you want with the novaCONNECTOR and thus also connect any number of alarm points desired.

HIGHLIGHTS OF THE

# nova CONNECTOR



## **1** Input contacts

Each novaCONNECTOR has 16 isolated input contacts. You decide for 8 inputs via a switch whether you would like to use an external supply or the internal, also isolated, supply! Thus the time consuming installation of an external power supply is not necessary!

## **2** ESPA 4.4.4 interface

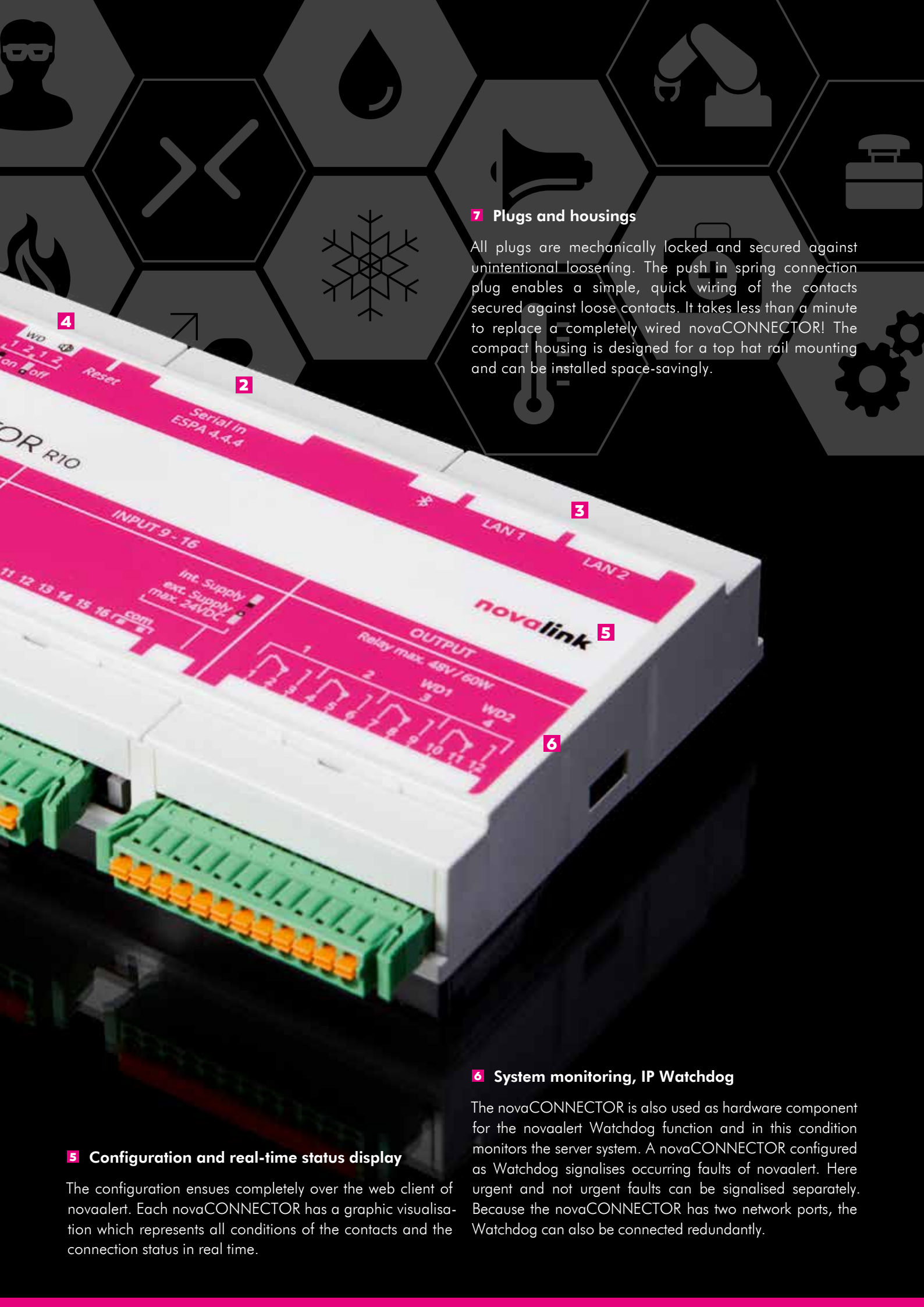
The novaCONNECTOR has a serial interface on which any ESPA 4.4.4 systems can be connected. The possibility of a redundant transmission of the ESPA 4.4.4 messages over two network interfaces is unique.

## **3** Redundant and secured transmission paths

As a standard the novaCONNECTOR has two LAN ports. All messages can be transferred secured via independent networks. In addition, the messages are buffered in the novaCONNECTOR so that no messages are lost also with network faults (e.g. with a not redundant network connection).

## **4** Local signalisation when there is a fault

Each novaCONNECTOR is monitored over the novaalert Watchdog function. If the network connection between novaCONNECTOR and novaalert is interrupted, a central fault relay is triggered. At the same time in the novaCONNECTOR, a local fault message is activated to also signalise the fault on site.



### 7 Plugs and housings

All plugs are mechanically locked and secured against unintentional loosening. The push in spring connection plug enables a simple, quick wiring of the contacts secured against loose contacts. It takes less than a minute to replace a completely wired novaCONNECTOR! The compact housing is designed for a top hat rail mounting and can be installed space-savingly.

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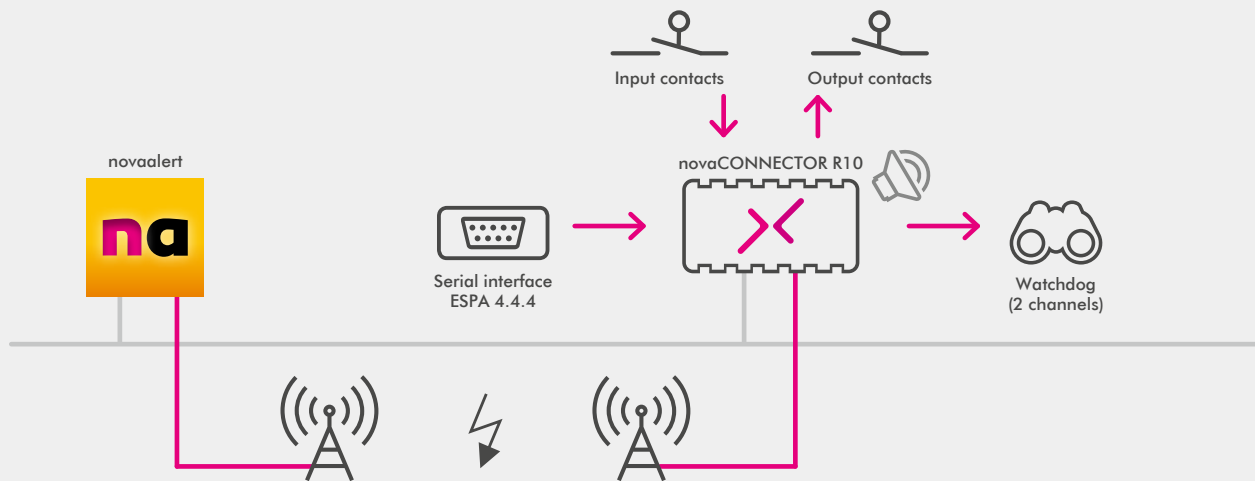
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### 5 Configuration and real-time status display

The configuration ensues completely over the web client of novaalert. Each novaCONNECTOR has a graphic visualisation which represents all conditions of the contacts and the connection status in real time.

### 6 System monitoring, IP Watchdog

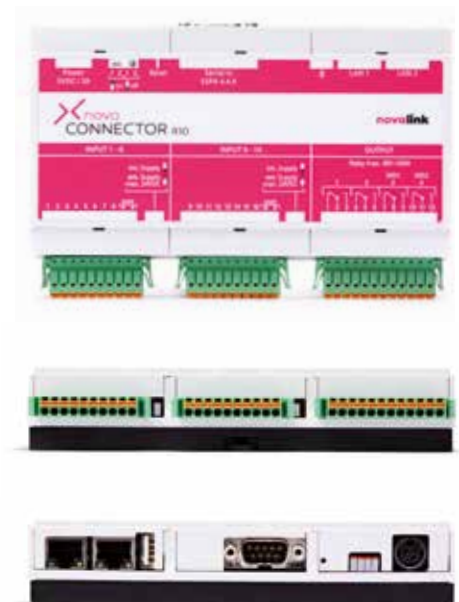
The novaCONNECTOR is also used as hardware component for the novaalert Watchdog function and in this condition monitors the server system. A novaCONNECTOR configured as Watchdog signals occurring faults of novaalert. Here urgent and not urgent faults can be signalled separately. Because the novaCONNECTOR has two network ports, the Watchdog can also be connected redundantly.



Systemoverview

## Technical data

<b>In/outputs</b>	<ul style="list-style-type: none"> <li>16 digital inputs</li> <li>The supply variation is adjustable for 8 inputs: <ul style="list-style-type: none"> <li>External supply (isolated) requires an external voltage (9-24 VDC)</li> <li>Internal supply (galvanically isolated short circuit safe supply from the novaCONNECTOR)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>4 digital outputs (relay output, changeover contact) max. 48 VDC, 60 W <ul style="list-style-type: none"> <li>2 of the 4 relay outputs are configurable for the Watchdog signalisation</li> </ul> </li> <li>Connection type: push in spring connection</li> <li>Wire cross-section: 0.25 mm<sup>2</sup> - 1.5 mm<sup>2</sup></li> <li>Atripping length: 10mm</li> </ul>
<b>Serial interface</b>	<ul style="list-style-type: none"> <li>1 serial interface for ESPA 4.4.4 record</li> <li>RS-232, 9 pin D sub connector (male)</li> </ul>
<b>Watchdog 2 channel</b>	<ul style="list-style-type: none"> <li>Relay output 3 and 4 are individually configurable as Watchdog output</li> <li>An additional acoustic signalisation can be activated</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>2 ethernet ports, 10 / 100 Mbps (full Duplex)</li> </ul>
<b>Installation / mass</b>	<ul style="list-style-type: none"> <li>Housing for top hat rail mounting</li> <li>Dimensions: 157.5 x 90 x 31 mm (B x H x D), TE 9 housing</li> </ul>
<b>Supply &amp; environment</b>	<ul style="list-style-type: none"> <li>230V plug in power supply (contained in the delivery)</li> <li>Power consumption &lt; 5 W</li> <li>Type of protection IP 20</li> <li>Ambient temperature: 0 ... + 45°C</li> </ul>
<b>Plugs</b>	<ul style="list-style-type: none"> <li>All connectors are secured against unintentional loosening</li> </ul>
<b>System requirements</b>	<ul style="list-style-type: none"> <li>novaalert 10.0 or higher</li> </ul>



novaCONNECTOR R10

novalink was set up in 1996 and since then has established itself as a software manufacturer on the ICT market and as a service provider in the IT sector. The products and business solutions of the Swiss manufacturer – especially in the alerting and personal protection areas – have proven themselves time and again and thanks to standardised interfaces can be integrated in every working environment. novalink is renowned for its ability to respond rapidly to the requirements of the market and new technologies.

**Protection for people & surroundings – Intelligent communication. Targeted information. Clever alerting.**