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## Smart Wireless Relay - Monitoring and Control

### Intelligent energy system

Welcome to the world of smart energy, where you can monitor, control and optimize how you use, store and share energy – all via the naak app or online dashboard.

### Monitor & control your energy

Know how much energy you use for individual circuits in the home. Schedule and control whole circuits from anywhere or let naak orchestrate it all for you and save big.

### Be future-ready

With the ability to control your energy resources and manage your energy loads accordingly, no matter what changes, be it your energy needs or utility tariffs, you have the ability to adapt, optimize and respond.

**Control your energy future® with naak!**

### BENEFITS

- Monitor energy consumption of each circuit
- Control individual electrical circuits through scheduling or by switching them on/off via the app or online dashboard
- Energy Autopilot Integrated - Automated circuit control

### FEATURES

- App & online dashboard
- Big Picture & granular data
- Switch & smart load control
- Reliable, real-time data
- Enable Digital Essential Loads
- ZigBee HA 1.2 compliant
- MDT data security

## SPECIFICATIONS

Model	Smart Wireless Relay
Radio Frequency ZigBee Power and Standard	2.4GHz Channels 11-26, +20dBm, ZigBee HA 1.2
Input Voltage	100 – 240 V
Maximum Load Current @ 110 volts	Resistive: 60A Inductive: 60A
Maximum Load Current @ 220 volts	Resistive: 60A Inductive: 60A
Operating Power	Running Load: < 0.7 Watts; Standby: < 0.7 Watts
Metering Accuracy	Better than 2% 2W
Maximum Working Range (Line of Sight) *	30 metres
<b>Physical Description</b>	
Dimensions (W x L x H)	1.46" x 2.60" x 3.27" (37.00 mm x 66.00 mm x 83.00 mm)
Weight	0.33 lbs (0.15 kg)
Chassis Type	Plastic
Mounting Method	DIN Rail Mount
<b>Environmental</b>	
Operating Temperature	-20° to +55° C
Storage Temperature	-40° to +85° C
Relative Humidity	20% to 90%, non-condensing
<b>Certifications</b>	
Conformance	Conforms to UL STD 60730-1:2016 and 498A:2008+
Certification	Certified to CSA STD E60730-1:2015 and C22.2#42:2010+

\* Range of the product can be influenced by installation methods.

+ Certification is in progress

## GENERAL INFORMATION

Functional Capabilities	
Digital Essential Loads	<ul style="list-style-type: none"> <li>Create and manage digital essential loads panel</li> </ul>
Green Circuit	<ul style="list-style-type: none"> <li>Supports green circuit feature to maximize solar use</li> </ul>
Peak Load Management	<ul style="list-style-type: none"> <li>Manage peak loads for an entire home</li> </ul>
Device Control	<ul style="list-style-type: none"> <li>Remote control and monitoring of all appliances in the home</li> </ul>
User Configurable Schedules	<ul style="list-style-type: none"> <li>User configurable schedule-based control</li> </ul>
Data Transmission Protocol	<ul style="list-style-type: none"> <li>Secure MDT protocol</li> </ul>
Monitoring	
Active Power	<ul style="list-style-type: none"> <li>Both Watt and Watt-hour in all phases</li> </ul>
Apparent Power	<ul style="list-style-type: none"> <li>Both VA and VAh in all phases</li> </ul>
Power Factor	<ul style="list-style-type: none"> <li>Yes - 0 to 1 PF</li> </ul>
Power Direction	<ul style="list-style-type: none"> <li>Measures import, export and net powers (kWh)</li> </ul>
Product Compatibility	
In-home Circuits	<ul style="list-style-type: none"> <li>Monitor and control individual circuits in the home</li> </ul>
ZigBee capability	<ul style="list-style-type: none"> <li>On-board ZigBee support</li> </ul>
Wireless Device Control	<ul style="list-style-type: none"> <li>Enabled through ZigBee</li> </ul>

## ORDERING INFORMATION

SKU	Description	Region
CTWRLY-060	Smart Wireless Relay - 60 Amps	All

## RECOMMENDED ACCESSORIES

SKU	Description	Region
CTSMPL-750	Smart Plug (ZigBee)	All

### SERVICE & WARRANTY

naak's comprehensive Support Service programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment and reducing the total cost of ownership.

### TECHNICAL SUPPORT SERVICES

At naak, we are committed to providing you with a quality service with a high attention to detail. Several options of support are available to choose from.

For additional information on Support Services as well as other service offerings, please contact your naak representative or visit [www.naak.io](http://www.naak.io)

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