

Nano Dimmer technical specifications.

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This page lists the technical specifications for **Nano Dimmer** (<http://aeotec.com/z-wave-light-dimmer-switch>), and form part of the larger **Nano Dimmer user guide** (<https://aeotec.freshdesk.com/solution/articles/6000162176-nano-dimmer-user-guide->).

Name: Nano Dimmer

Model number: ZW111

ZW111-A = US Frequency

ZW111-B = AU Frequency

ZW111-C = EU Frequency

Power input: 120 to 240VAC, 50/60Hz.

Rated Current Output: 1.2A maximum

Rated Power Output:

144W maximum (US)

276W maximum (EU/AU)

Repeater: Yes

Beaming: Yes

External Switch max wiring length (between COM/S1 and COM/S2):

10 Meters

33 Feet

Minimum Power (Watt):

If your load is under the minimum requirement, you may need to **install Nano Dimmer Bypass Load.**

(<https://aeotec.freshdesk.com/support/solutions/articles/6000168292-how-to-wire-a-bypass-to-your-nano-dimmer-load->)

2-wire (no neutral)

Resistance load only: min 20W.

3-wire (with neutral)

Capacitive load: min 11W.

Inductive load: no min / max 100W

Resistance load: min 10W.

Max standby power: <0.8W.

Power measurement accuracy: + or - 3W.

Dimensions: 42.5 x 40 x 20 mm (1.6 x 1.5 x 0.7 in)

Operating temperature:

0°C to 40°C

32°F to 104°F.

Relative humidity: 8% to 80%.

Operating distance:

Up to 492 feet outdoors.

Up to 150 metres outdoors.

Supported External Switches:

Toggle Switches (2-way, 3-way, 4-way)

Any standard Momentary Push Button (Cannot be used with LED powered momentary push buttons)

Supported Loads;

Control ability	Supported load types
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<p>With dimming function (On/Off/Dim control)</p>	<p>Incandescent bulbs, Halogen bulbs with or without electronic transformer, Dimmable LED bulbs (leading edge and trailing edge), Low Voltage VAC LED lighting, Dimmable Fluorescent lamps.</p>
<p>Without dimming function (On/Off control only)</p>	<p>Non-dimmable bulbs, Compact fluorescent lamps with electronic rectifier, Fluorescent tube lamps with electronic ballast, Non-dimmable LED Bulbs Direct Current LED Bulbs (VDC)</p>

- Inductive Loads under 100W (**only while Nano Dimmer connected as a 3-wire device**)

Device Certifications:



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