

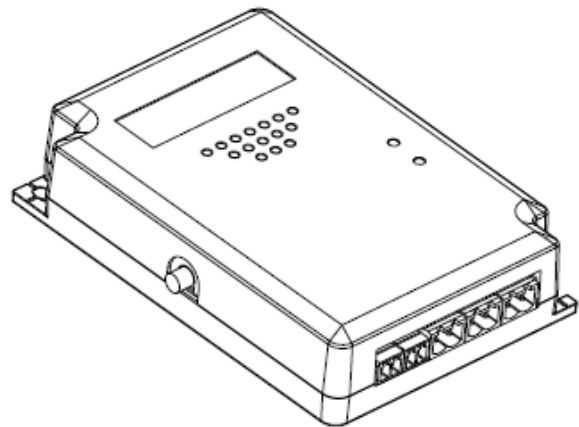
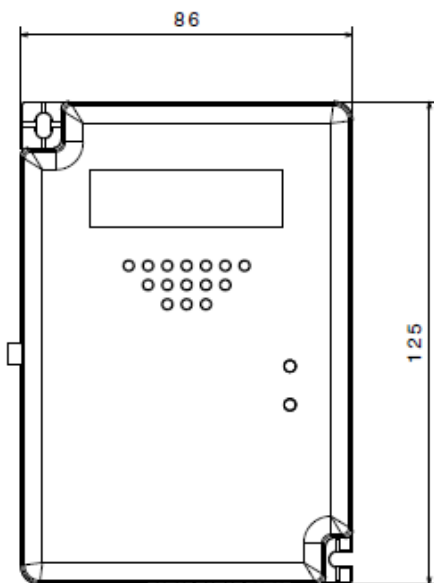
# WIRELESS ANALOG CONTROLLER

The Wireless Analog controller is a wall or ceiling mountable controller with 4 outputs - 2 outputs with 0-10V (50 mA) output to control Damper Actuators and 2 Switching outputs for upto 100W AC Load\*. The damper Actuator control output voltage will be set by commands from a gateway. The Analog controller can also independently provide On/Off lighting control, based on occupancy data received from associated Wireless Occupancy sensors.

## FEATURES

- Control type: Analog 0-10V & relay ON/OFF
- AC- powered device
- Connects up to 2 circuits of 100W AC loads\*
- Fail-safe switch to bypass the relay

\*For LED lighting loads, it is suggested to use external inrush current limiting mechanisms with the drivers to limit inrush current at power ON. With this mechanism, loads up to 160W can be supported



**Honeywell**

## FUNCTIONAL SPECIFICATIONS

Supply voltage	230V/ 50 Hz <ul style="list-style-type: none"> <li>• <b>Tolerance:</b> 85-265 V</li> <li>• <b>Device Power consumption:</b> ~5W</li> </ul>
Input ports	AC Line and Neutral
Switched Output ports	<b>Load</b> <ul style="list-style-type: none"> <li>• AC output 230V/50 Hz , Minimum load &gt;20W.</li> <li>• Normally Powered ON</li> <li>• Maximum light load supported: 100W per channel</li> </ul> <b>Dimming Channels</b> <ul style="list-style-type: none"> <li>• 2-wire 0-10V 50mA Control Output, Two channels</li> </ul> <b>Note:</b> <ol style="list-style-type: none"> <li>1. For LED lighting loads, inrush current limiting mechanisms should be used with the drivers to limit inrush current at power ON. With the usage of these mechanisms, lighting loads of up to 160W can be supported by the controller</li> <li>2. The on-board relays are 230V, 5A rating, with contact welding protection</li> </ol> <ul style="list-style-type: none"> <li>• Maximum current load for Damper Actuator Control: 50mA per channel</li> </ul> <b>Terminals</b> <ul style="list-style-type: none"> <li>• Pluggable screw terminal block connector</li> <li>• Mains wiring: 16 to 20 AWG multi-strand</li> <li>• Analog Channel: 20 AWG multi-strand</li> </ul>

## WIRELESS OPERATING PARAMETERS

Operating Frequency	ISM 2.4-2.4835 GHz
RF Data Rate	250Kbps Max
Encryption	AES 128-bit
Max. transmission power	+20 dbm at Antenna
Communication Protocol	Zigbee IEEE 802.15.4 Mesh NW
Network status monitoring	LED indicator

## WIRING DIAGRAM

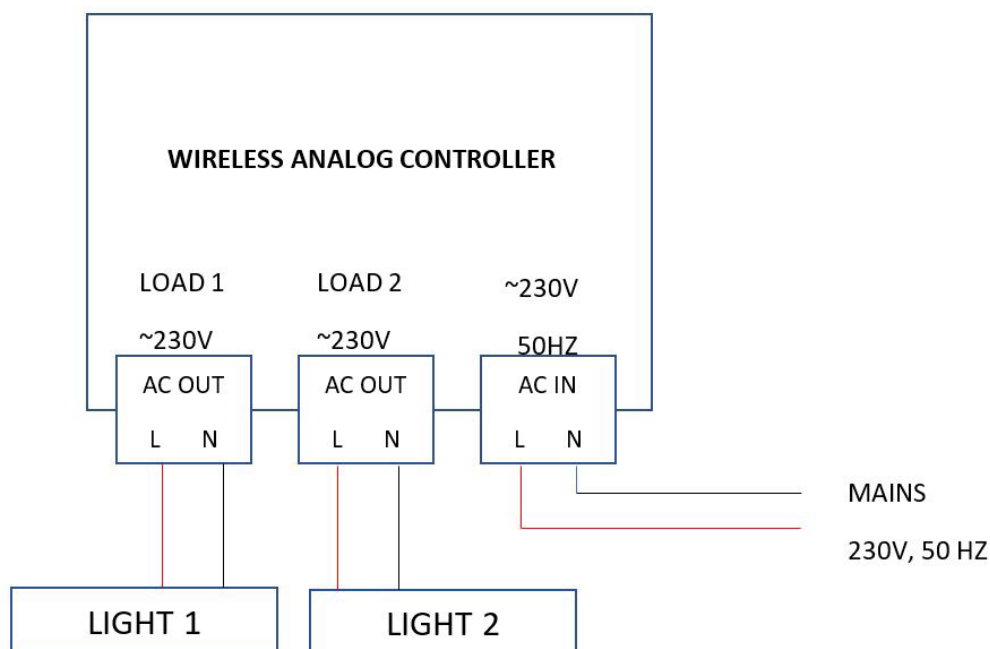


Fig 1: Wiring diagram: Wireless Analog controller connected to non-dimmable lights

## HONEYWELL ACTUATOR CN75 SERIES (MAX TORQUE OF 5 NM)

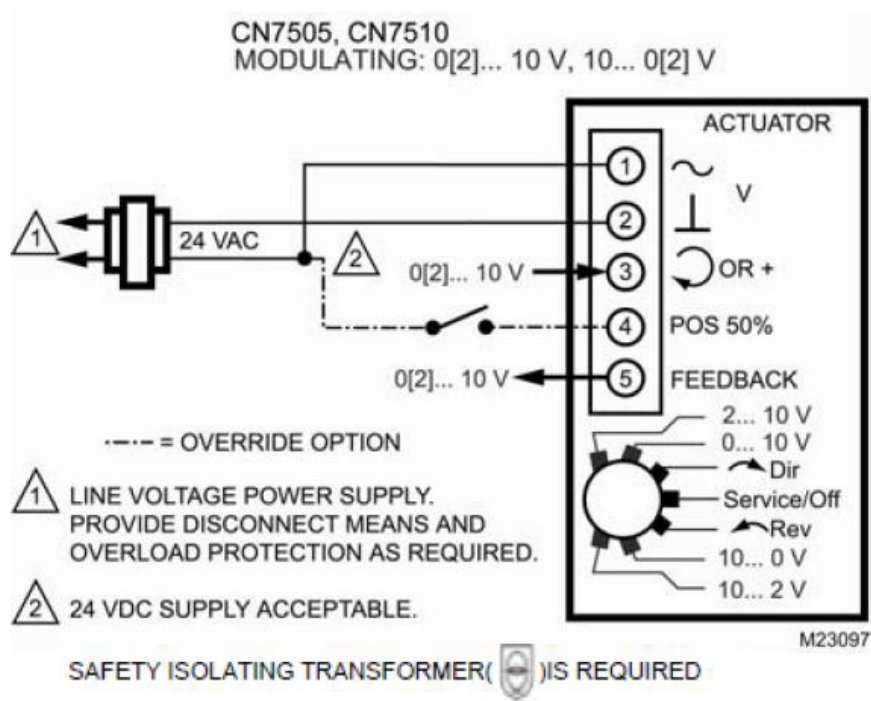
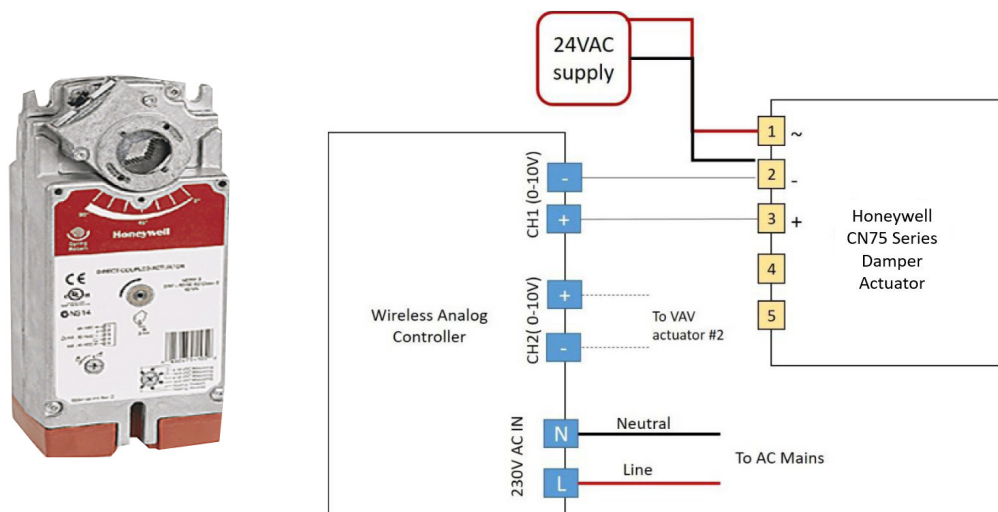


Fig 2: Wiring Diagram: Wireless Analog Controller connected to Honeywell CN7505A2001 Actuator

**Note:** Please follow the Wiring diagram of control and supply voltage as prescribed by actuator supplier.

#### PACKAGING INFORMATION

Product Dimensions	125 mm x 86 mm x 30 mm
Product weight (approx)	150g
Housing material	ABS plastic
Rating	IP 40
Product code	HON-WAC-0A0-W-PC
Package contents	Wireless Analog controller, Mounting screws, Whip Antenna

#### ENVIRONMENTAL PARAMETERS

Operating temperature	0°C to 50° C
Storage temperature	-20°C to 70° C
Relative Humidity	0-90% RH, noncondensing
Usage	For Indoor Use Only

## CERTIFICATION & COMPLIANCE

- RoHS compliant
- WPC certified

#### For more information,

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