

# Catron AI

## WIRING

### Wire Description



Pin	Name	Color	Gauge	Rating	Description
1	Line	Black	18AWG (0.75mm <sup>2</sup> )	300V	90-277VAC
2	Neutral	White	18AWG (0.75mm <sup>2</sup> )	300V	Common neutral
3	Switch Input -1	Orange	28AWG (0.08mm <sup>2</sup> )	30V	3.3V Switch input
4	Switch Input-2	Yellow	28AWG (0.08mm <sup>2</sup> )	30V	3.3V Switch input
5	Switch Input-3	Green	28AWG (0.08mm <sup>2</sup> )	30V	3.3V Switch input
6	Switch Input-4	Red	28AWG (0.08mm <sup>2</sup> )	30V	3.3V Switch input
7	0-10V input	Purple	28AWG (0.08mm <sup>2</sup> )	30V	0-10V Dimming input
8	Common ground	Pink	28AWG (0.08mm <sup>2</sup> )	30V	Common ground

# Antenna Information

150mm wire antenna



## Antenna Properties

Frequency range	2.4GHz-2.5GHz
Impedance	50Ω Nominal
VSWR	1.92:1 Max
Return loss	-10dB Max
Gain(peak)	1.5dBi
Cable loss	0.3dBi Max
Polarization	Linear

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