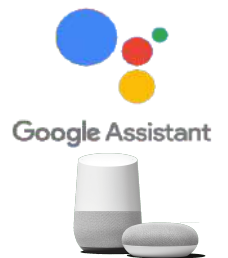




PRODUCT CATALOGUE

“Customized Dimming Solution for LED”



JSK INNOVATIVE TECHNOLOGY PVT LTD

LED Dimmable Driver & Controller

Manufacturer of Embedded Electronic System Devices

Factory: C-207, Jai Bonanza Industrial Estate, Ashok Chakravati Road, Kandivali (East), Mumbai - 400101.

Call/Whatsapp : +91 9920730373

E-mail : sales@jskurja.com | Website : www.jskurja.com

ABOUT JSK URJA

JSK Innovative Technology Pvt. Ltd. is an ISO 9001:2008 Certified company and brand name as **“JSK URJA”**.

It is a fast growing Electronics Company which specializes in manufacturing Home Automation Compatible Electronic products for domestic, commercial and Industrial use. “JSK URJA” offers the most complete selection of high performance dimmable and non dimmable LED Drivers & controller, Our LED Drivers are designed for a wide spectrum of applications with advance technology, performance, efficiency, reliability and cost effective solution. We offers many different types of high efficient LED drivers both in standard and customize version.

We Have team of well qualified and experienced engineers in electronics, semiconductor & EDA industries, having worked on the most advanced technologies.

An innovation mind set drives the entire team for finding newer, better and efficient means to delivering solutions while never compromising on quality choices thereby ensuring maximum customer satisfaction. All new product developed goes through various test. In our laboratory we have well equipped R&D and Testing Machines.

We have full capability to support high volume production while ensuring the best quality practices & delivery. We can boast about the quality of products due to presence of strong in house R&D team.

Our products goes through various testing stages, right from components testing to final product testing. Each and every products is tested for 6 to 8 hours completely and then only handover to customers. Our Products are designed, manufactured and tested to be of best quality to survive in worst condition

Our Customer's testimonials confirm the quality of products, agile operating model for customized solutions development as per their requirements and post sales support & services to our customers

Smart Tuneable Driver (Wi-Fi Base)



Features:

1. Wi-Fi based technology CCT Driver
2. Smooth linear Dimming & Flicker free
3. Micro-controller based Tuning & Dimming upto 1%
4. Colour Changing 2500K to 6500K
5. Multiple Rooms
6. Make Unlimited Scenes
7. Schedule your Lights with Time and Day
8. Compatible with Alexa and Google Assist

Application:

Constant current , Indoor lighting (COB, Panels, Downlights)

Technical parameters

Input voltage	220VAc
Auto Cut Off	Yes (300 VAc)
Power factor	>0.9
THD	<10%
Operated temperature	45°C ~ 80°C
Surge Protection	6kV / 6kA

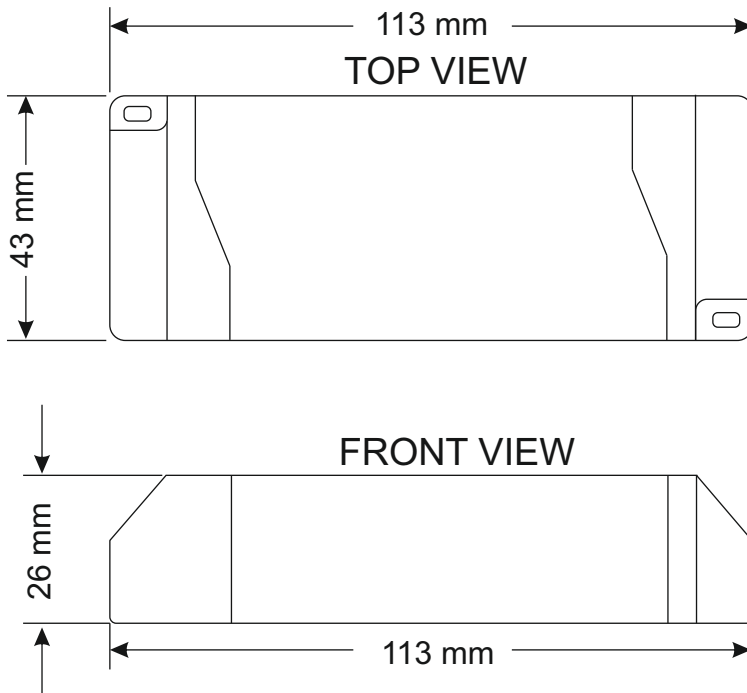
Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	GRID Mobile App Android/iOS

Specification

Model no	Wattage
JUSD15N	Up-to15W
JUSD20N	15W to 20W

Model	Output power (W)	Output voltage range(Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUSD15N	4-7W	30	40	150	80%
JUSD15N	6-8W	30	40	200	80%
JUSD15N	7-10W	30	40	250	80%
JUSD15N	9-12W	30	40	300	80%
JUSD15N	10-14W	30	40	350	80%
JUSD20N	12-16W	30	40	400	80%
JUSD20N	14-18W	30	40	450	80%
JUSD20N	15-20W	30	40	500	80%

Mechanical drawing



Connection diagram



Setup Smart Driver

Step 1: Install GRID Mobile App

<https://www.youtube.com/watch?v=2bFa-zWOzBw>

Step 2: Create Rooms

<https://www.youtube.com/watch?v=9CPRqm-nnYY>

Step 3: Add New Devices

<https://www.youtube.com/watch?v=xp4KdwtE6iQ>

Step 4: Create Multiple Scenes

<https://www.youtube.com/watch?v=OHcwymQJtQM>

Step 5: Create Schedule

<https://www.youtube.com/watch?v=j22PyF1NjT8>

Smart Tuneable Dimmer (Wi-Fi Base)



Features:

1. Wi-Fi based technology CCT Dimmer
2. Smooth linear Dimming & Flicker free
3. Micro-controller based Tuning & Dimming upto 1%
4. Colour Changing 2500K to 6500K
5. Multiple Rooms
6. Make Unlimited Scenes
7. Schedule your Lights with Time and Day
8. Compatible with Alexa and Google Assist

Application:

Constant voltage , Indoor lighting (LED Strips, Profiles)

Technical parameters

Input voltage	12-24V DC
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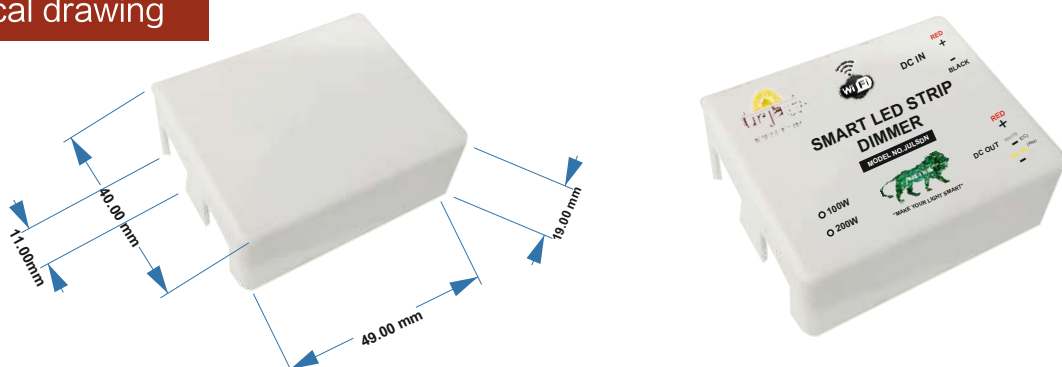
Available models

Model no	Wattage
JUWD100N	100W
JUWD200N	200W

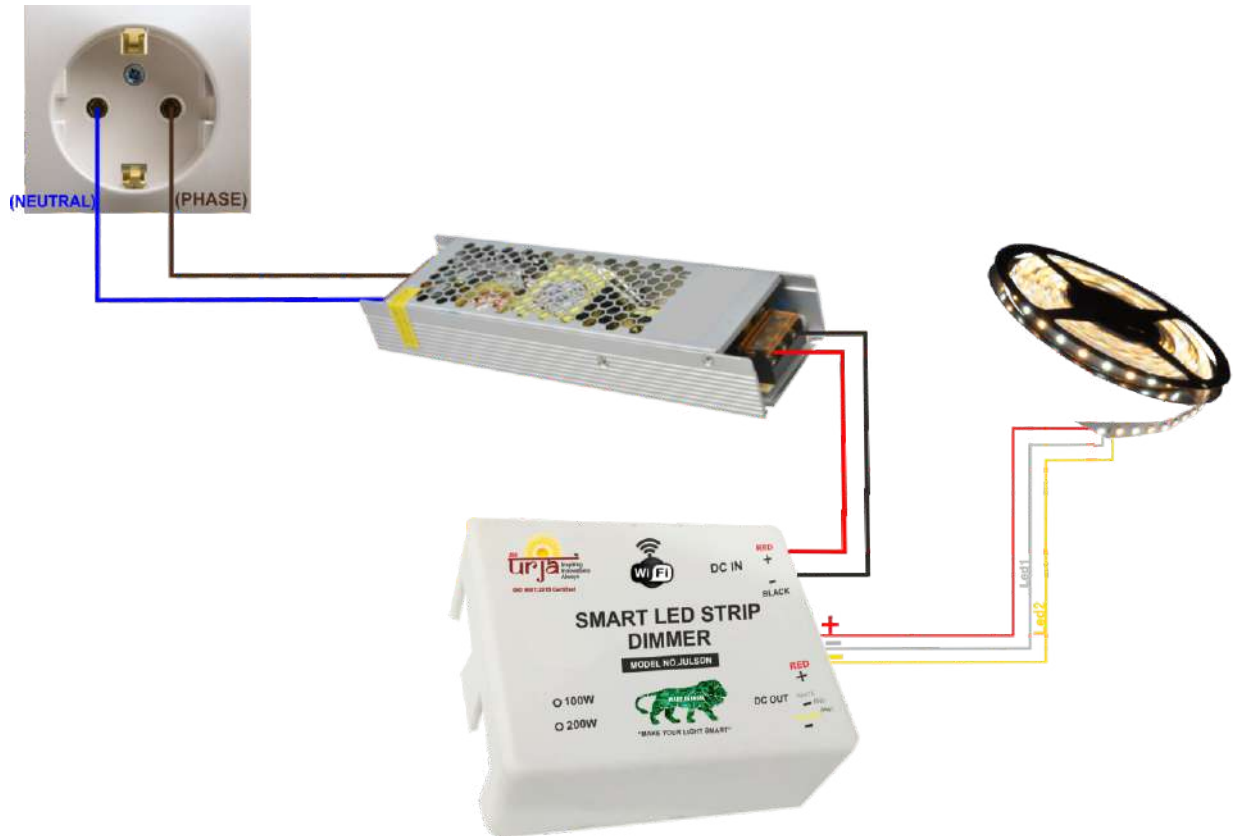
Specification

Model	Output power (W)	Output voltage range(Vdc)	
		Voltage	Current
JUWD100N	100W	12V	8A
JUWD100N	100W	24V	4A
JUWD200N	200W	12V	16A
JUWD200N	200W	24V	8A

Mechanical drawing



Connection diagram



Setup Smart Dimmer

Step 1: Install GRID Mobile App

<https://www.youtube.com/watch?v=2bFa-zWOzBw>

Step 2: Create Rooms

<https://www.youtube.com/watch?v=9CPRqm-nnYY>

Step 3: Add New Devices

<https://www.youtube.com/watch?v=xp4KdwtE6iQ>

Step 4: Create Multiple Scenes

<https://www.youtube.com/watch?v=OHcwymQJtQM>

Step 5: Create Schedule

<https://www.youtube.com/watch?v=j22PyF1NjT8>

Smart Switch Set (Wi-Fi Base)



Features:

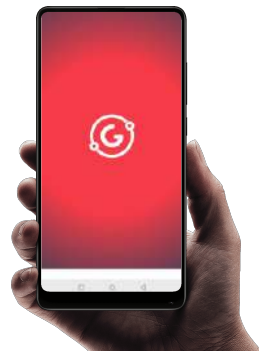
1. Wi-Fi based technology ON/OFF smart plug
2. Control with GRID mobile App
3. Create On/Off Schedule
4. Compatible with Alexa and Google Assist
5. On/Off Manually with Retrofit switch

Application:

Indoor Appliances
Retrofit in GangBox

Available models

Model no	Switches
JUSS2N	2 Switch
JUSS4N	4 Switch
JUSS6N	6 Switch



Smart RGB Controller (Wi-Fi Base)



Features:

1. Wi-Fi based technology RGB Controller
2. Control with GRID mobile App
3. Create On/Off Schedule
4. Compatible with Alexa and Google Assist
5. Multi Colors available
6. Music Sync.

Application:

Indoor Appliances

Dali Dimmable Driver (DT-6)



Features:

1. Dimming With Any Dali Automation
2. Smooth linear Dimming & Flicker free
3. Dimming upto 1%
4. Surge Protection with 6kV / 6kA
5. Warranty - 2 years

Application:

Constant current , Indoor lighting (COB, Panels, Downlights)

Technical parameters

Input voltage	(210 ~230)Vac
Auto Cut Off	Yes (300 Vac)
Power factor	>0.95
THD	<3%
Operated temperature	45 C ~ 80 C
Surge Protection	6kV / 6kA

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Dali DT-6 Automation

Specification

Model no	Wattage
JUDL8N	upto 8w
JUDL15N	8w to 15w
JUDL20N	15w to 20w

Model	Output power (W)	Output voltage range (Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUDL20N	4-6W	30	40	150	85%
JUDL20N	6-8W	30	40	200	85%
JUDL20N	8-10W	30	40	250	85%
JUDL20N	9-12W	30	40	300	85%
JUDL20N	12-16W	30	40	400	85%
JUDL20N	15-20W	30	40	500	85%

Mechanical drawing



DALI Led Strip Dimmer



Features:

1. Universal Control voltage dimming.
2. Compatible with any make Non Dimmable SMPS
3. Dimming upto - 1%
4. Smooth Dimming, flicker free
5. Warranty - 2 Years

Application:

Constant Voltage (SMPS)
Indoor lighting (LED Strips, Profiles)

Technical parameters

Input voltage	upto 250Vac
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Available models

100w
200w

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Dali Home Automation

Specification

Model	Output power (W)	Output voltage range(Vdc)	Output current range (mA)
		Voltage	Current
JUDLSDN	100W	12V	8A
JUDLSDN	100W	24V	4A
JUDLSDN	200W	12V	16A
JUDLSDN	200W	24V	8A

PhaseCut Tuneable Driver (Triac Base CCT)



Features:

1. Dimming With Any Phase Cut Home Automation as well as Dimmer (Regulator)
2. Smooth linear Dimming & Flicker free
3. Dimming upto 1%
4. Compatible with both leading & trailing edge Phase Cut Home Automation
5. Colour Changing 2500K to 6500K

Application:

Constant current , Indoor lighting (COB, Panels, Downlights)

Technical parameters

Input voltage	(85 ~300)Vac
Auto Cut Off	Yes (300 Vac)
Power factor	>0.95
THD	<3%
Operated temperature	45 C ~ 80 C
Surge Protection	6kV / 6kA

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Phase Cut Home Automation (2 Channels Required)
	Dimmer (Regulator)

Model no

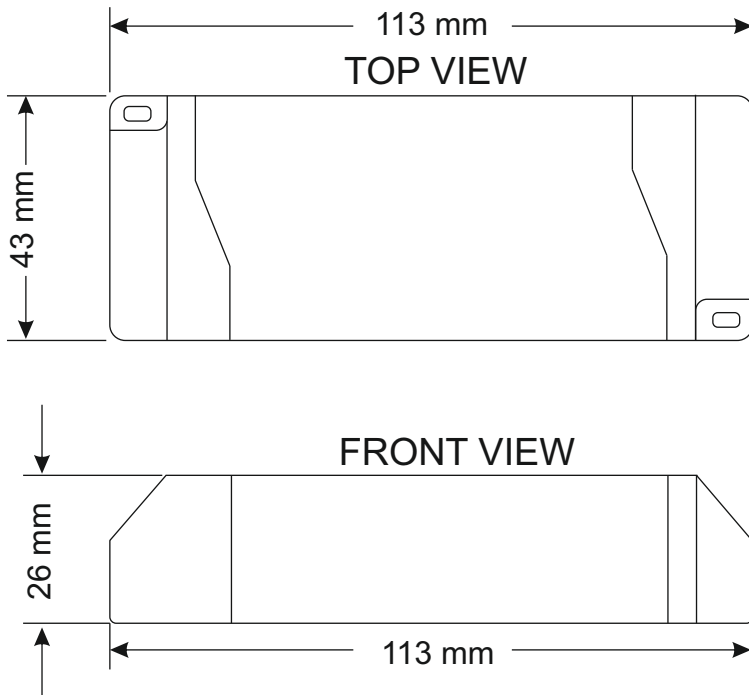
Wattage

JUDCTD15N	upto 15W
JUDCTD22N	15W to 22W

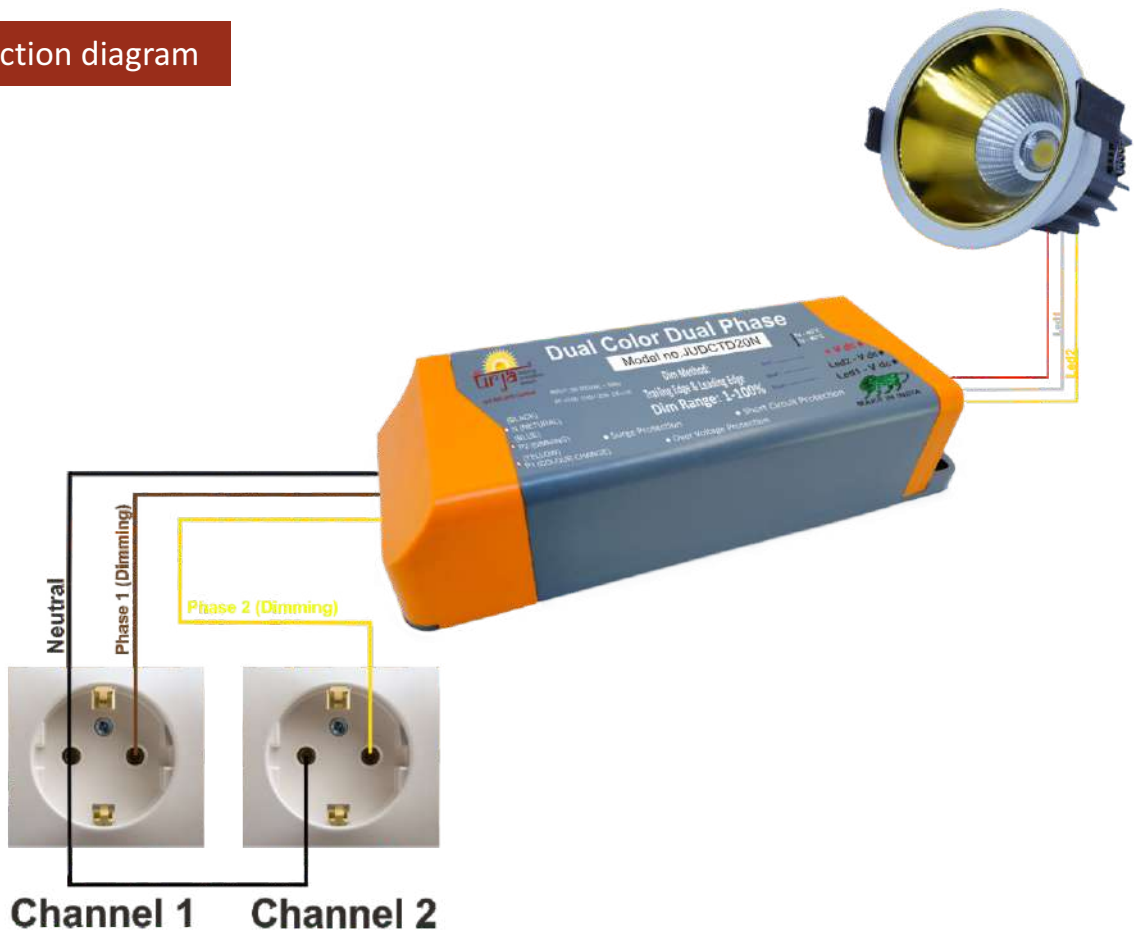
Specification

Model	Output power (W)	Output voltage range (Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUDCTD15N	4-7W	30	40	150	80%
JUDCTD15N	6-8W	30	40	200	80%
JUDCTD15N	7-10W	30	40	250	80%
JUDCTD15N	9-12W	30	40	300	80%
JUDCTD15N	10-14W	30	40	350	80%
JUDCTD22N	12-16W	30	40	400	80%
JUDCTD22N	14-18W	30	40	450	80%
JUDCTD22N	15-20W	30	40	500	80%

Mechanical drawing



Connection diagram



Home Automation

Phase Cut Dimmable Driver (Triac Base)



Features:

1. Dimming With Any Phase Cut Home Automation as well as Dimmer (Regulator)
2. Smooth linear Dimming & Flicker free
3. Dimming upto 1%
4. Compatible with both leading & trailing edge Phase Cut Home Automation
5. Warranty - 2 years

Application:

Constant current , Indoor lighting (COB, Panels, Downlights)

Technical parameters

Input voltage	(85 ~300)Vac
Auto Cut Off	Yes (300 Vac)
Power factor	>0.95
THD	<3%
Operated temperature	45 C ~ 80 C
Surge Protection	6kV / 6kA

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Phase Cut Home Automation
	Dimmer (Regulator)

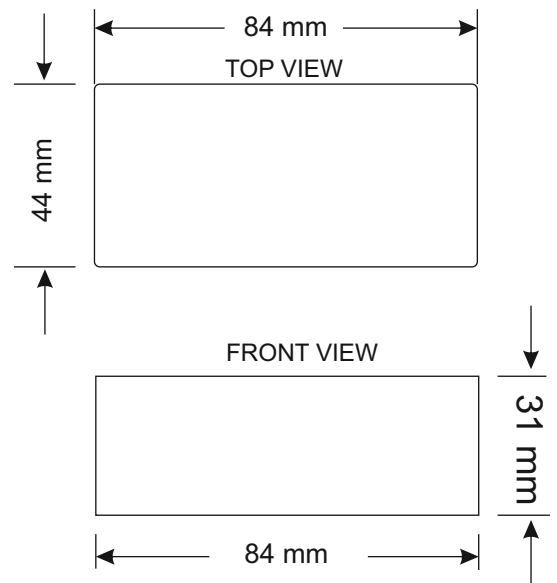
Specification

Model no	Wattage
JUTD15N	upto15w
JUTD24N	16w to 24w
JUTD40N	25w to 40w

Model	Output power (W)	Output voltage range(Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUTD15N & 24N	5-13W	35	85	150	85%
JUTD15N & 24N	7-17W	35	85	200	85%
JUTD15N & 24N	7-14W	28	55	250	85%
JUTD15N & 24N	8-17W	28	55	300	85%
JUTD15N & 24N	7-16W	20	45	350	85%
JUTD15N & 24N	8-18W	20	45	400	85%

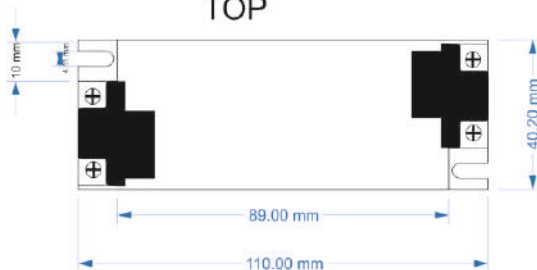
Model	Output power (W)	Output voltage range(Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUTD15N & 24N	6-24W	12	45	500	85%
JUTD15N & 24N	7-12W	12	20	600	85%
JUTD15N & 24N	8-14W	12	20	700	85%
JUTD15N & 24N	9-15W	12	20	750	85%
JUTD40N	25-42W	20	35	800 - 1.2A	85%
JUTD40N	25-45W	36	55	500 - 900	85%
JUTD40N	20-30W	55	85	350	85%

Mechanical drawing



JUTD 24N

TOP



Front view



Analog Dimmable Driver



Features:

1. 0-10v / 1-10v
2. Smooth linear dimming & Flicker free
3. Surge Protection with 6kV / 6kA
4. Compatible any Analog home automation
5. Warranty - 2 year's

Application:

Constant current , Indoor lighting (COB, Panels, Downlights)

Technical parameters

Input voltage	(85 ~300)Vac
Auto Cut Off	Yes (300 Vac)
Power factor	>0.95
THD	<15%
Operated temperature	45°C ~ 80°C

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Analog Home Automation
	0-10v, 1-10v controller

Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUAD15N & 24N	5-13W	35	85	150	85%
JUAD15N & 24N	7-17W	35	85	200	85%
JUAD15N & 24N	7-14W	28	55	250	85%
JUAD15N & 24N	8-17W	28	55	300	85%
JUAD15N & 24N	7-16W	20	45	350	85%
JUAD15N & 24N	8-18W	20	45	400	85%

Model	Output power (W)	Output voltage range (Vdc)		Output current range (mA)	Efficiency
		Min.	Max.	Current	
JUAD15N & 24N	6-24W	12	45	500	85%
JUAD15N & 24N	7-12W	12	20	600	85%
JUAD15N & 24N	8-14W	12	20	700	85%
JUAD15N & 24N	9-15W	12	20	750	85%
JUAD40N	25-42W	20	35	800 - 1.2A	85%
JUAD40N	25-45W	36	55	500 - 900	85%
JUAD40N	20-30W	55	85	350	85%

Mechanical drawing



Digital Dimmer (Regulator)



Features:

1. Microcontroller based Dimmer.
2. Compatible with any phase cut (TRIAC) dimmable driver
3. Dimming upto - 1%
4. Dimming Start from 25% to 100% Every Time
5. Smooth Dimming, flicker free
6. Retro fit
7. Warranty - 2 Years

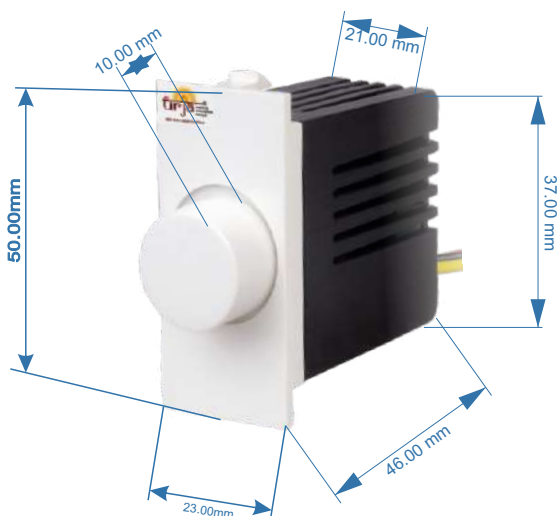
Application:

Phase Cut Driver & Dimmer, Constant Current & Constant Voltage (SMPS)

Technical parameters

Input voltage	upto 250Vac
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Mechanical drawing

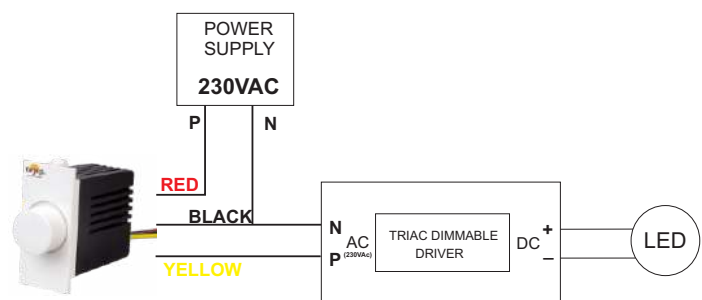


Available models

200w

1000w

Connection diagram



Phase Cut Led Strip Dimmer



Features:

1. Universal Control voltage dimming.
2. Compatible with any make Non Dimmable SMPS
3. Dimming upto - 1%
4. Smooth Dimming, flicker free
5. Warranty - 2 Years

Application:

Constant Voltage (SMPS)
Indoor lighting (LED Strips, Profiles)

Technical parameters

Input voltage	upto 250Vac
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Available models

100w

200w

Protection functions

Short Circuit Protection

Over Voltage Protection

Over Current Protection

Intelligent control

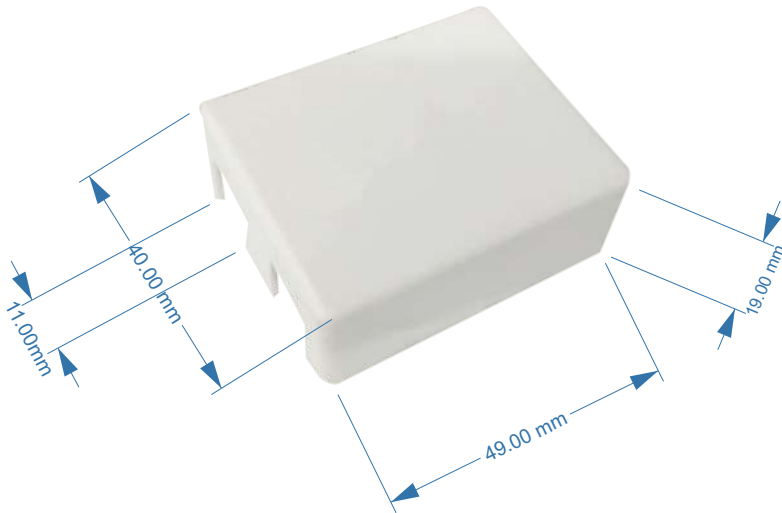
Phase cut Home Automation

Dimmer(Regulator)

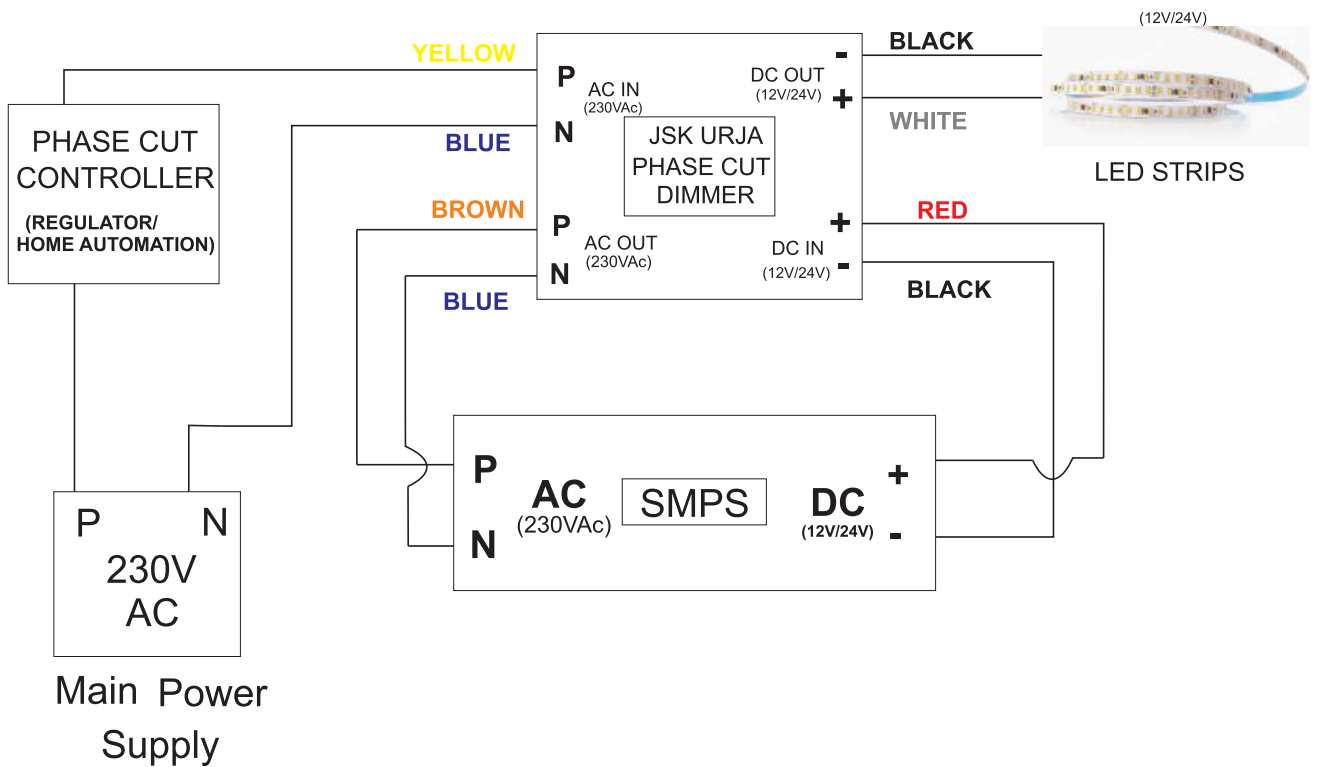
Specification

Model	Output power (W)	Output voltage range(Vdc)	Output current range (mA)
		Voltage	Current
JUPDN	100W	12V	8A
JUPDN	100W	24V	4A
JUPDN	200W	12V	16A
JUPDN	200W	24V	8A

Mechanical drawing



Connection diagram



Analog Led Strip Dimmer



Features:

1. 1-10v / 0-10v
2. Compatible any Analog home automation
3. Dimming upto - 1%
4. Smooth Dimming, flicker free
5. DC to DC
6. Warranty - 2 Years

Application:

Constant Voltage (SMPS)

Technical parameters

12V DC , 24VDC

Available models

100w

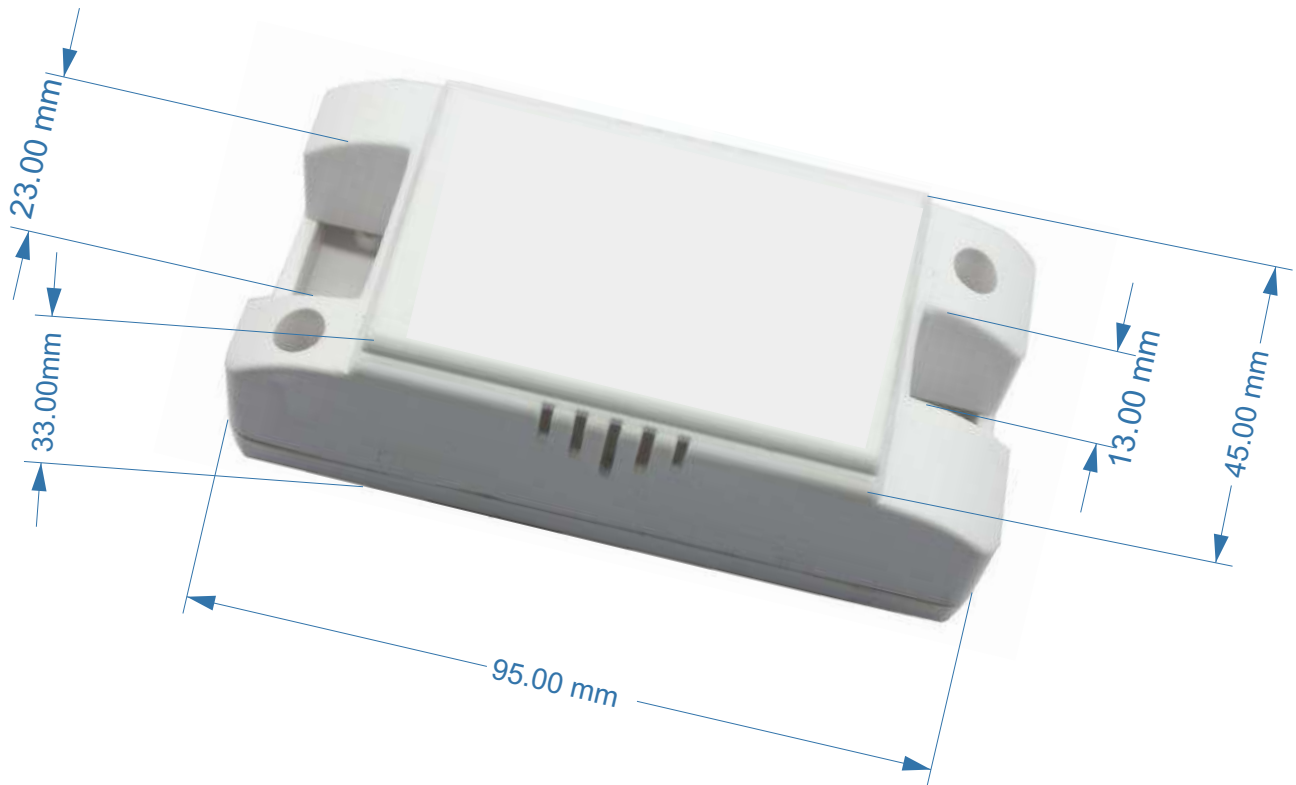
200w

Specification

Model	Output power (W)	Output voltage range(Vdc)	Output current range (mA)
		Voltage	Current
JUSLD	100W	12V	8A
JUSLD	100W	24V	4A
JUSLD	200W	12V	16A
JUSLD	200W	24V	8A

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Analog Home Automation
	0-10v, 1-10v controller

Mechanical drawing



Non Dimmable SMPS



Features:

1. Universal Control voltage supply
2. Efficiency, and High reliability

Application:

Constant Voltage (SMPS)
LED Strips, LED Profile

Technical parameters

Input voltage	upto 250Vac	Protection functions	Short Circuit Protection
			Over Voltage Protection
			Over Current Protection

Specification

Model	Output power (W)	Output voltage range(Vdc)	Output current range (A)
		Voltage	Current
JUSMPS60N	60W	12V	5A
JUSMPS100N	100W	12V	8A
JUSMPS150N	150W	12V	12A
JUSMPS200N	200W	12V	16A
JUSMPS60N	60W	24V	2.5A
JUSMPS100N	100W	24V	4A
JUSMPS150N	150W	24V	6.25A
JUSMPS200N	200W	24V	8.25A

Non Dimmable Driver



Features:

1. Universal AC input
2. Surge Protection with 6kV / 6kA
3. Cooling by free air convection
4. Warranty - 2 year's

Application:

Constant Voltage , Indoor lighting & Outdoor lighting

Technical parameters

Input voltage	(85 ~310)Vac
Auto Cut Off	Yes (310 Vac)
Power factor	>0.95
THD	<15%
Operated temperature	45°C ~ 80°C
Voltage Tolerance	5%
Current Accuracy	3%
Ripple & Noise	600m Vp-p

Protection functions	Short Circuit Protection
	Over Voltage Protection
	Input Current Protection

Specification

Model	Output power (W)	Output voltage range(Vdc)		Output current range (mA)		Efficiency
		Voltage	Current	Voltage	Current	
JUND30N	22 - 30W	40 - 48V	550	90%		
JUND30N	22 - 30W	35 - 48V	600	90%		
JUND30N	22 - 30W	33 - 46V	650	90%		
JUND30N	22 - 30W	30 - 43V	700	90%		
JUND30N	22 - 30W	85 - 90V	250	90%		
JUND30N	22 - 30W	75 - 90V	300	90%		

Model	Output power (W)	Output voltage range(Vdc)	Output current range (mA)	Efficiency
		Voltage	Current	
JUND30N	22 - 30W	65 - 90V	350	90%
JUND50N	42 - 60W	35 - 50V	1.2A	90%
JUND50N	42 - 60W	35 - 50V	1.1A	90%
JUND50N	45 - 50W	40 - 50V	1A	90%
JUND50N	40 - 50W	40 - 50V	900	90%
JUND50N	45 - 60W	65 - 85V	700	90%
JUND50N	45 - 60W	65 - 85V	650	90%
JUND50N	40 - 50W	70 - 85V	600	90%
JUND50N	40 - 50W	70 - 85V	550	90%

Mechanical drawing

