

PRODUCT CATALOGUE



ISO 9001:2015 Certified



**JSK INNOVATIVE TECHNOLOGY
PVT LTD.**

"Customized Smart Dimming Solution for LED"

Email: 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.

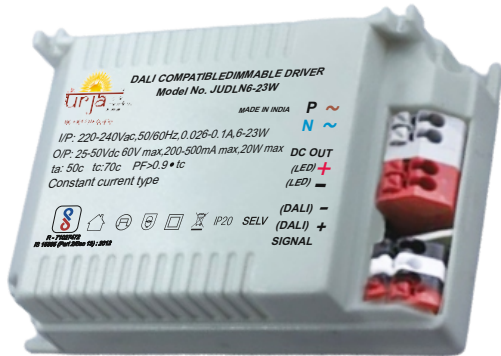
An innovation mind set drives the entire team for finding newer, better and efficient means to delivering solutions while never compromising on quality choices thereby ensuring maximum customer satisfaction. All new product developed goes through various test. In our laboratory we have well equipped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

Dali Compatible Dimmable Driver (DT-6/DT-8)



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

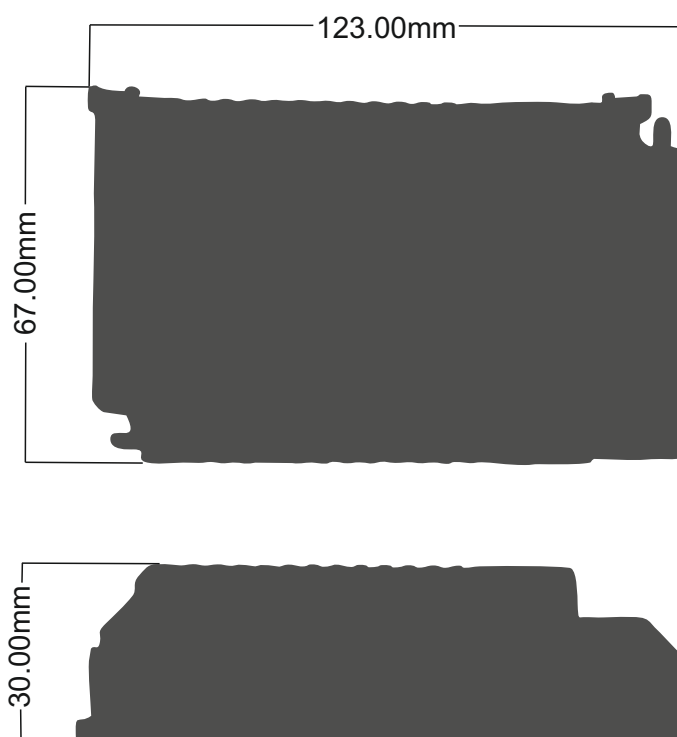
Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Dali DT-6 Automation

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



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/DALI-DRIVER-CONNECTION-DIAGRAM.pdf>

CCT Tuneable PhaseCut Driver (Triac Based 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

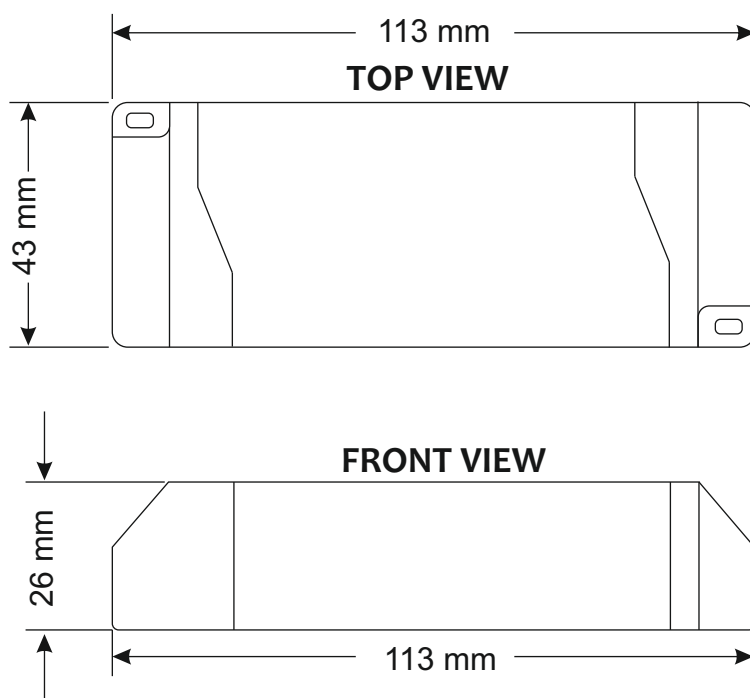
Wattage

JUDCTD15N	upto15W
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%

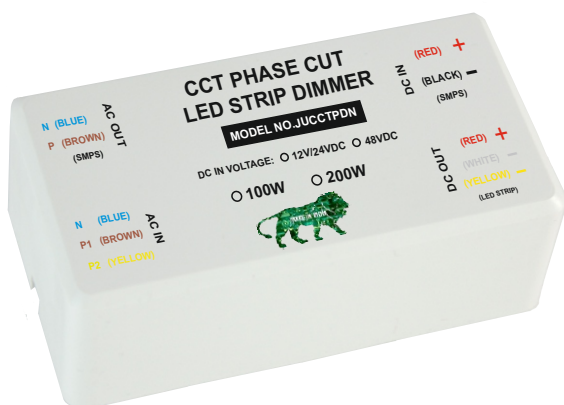
Mechanical drawing



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/DUAL-COLOR-DRIVER-CONNECTION-DIAGRAM.pdf>

CCT Tunable 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. Colour Changing 2500K to 6500K

Application:

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

Technical parameter

Input voltage	220-240VAc (Automation channel)
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Available models

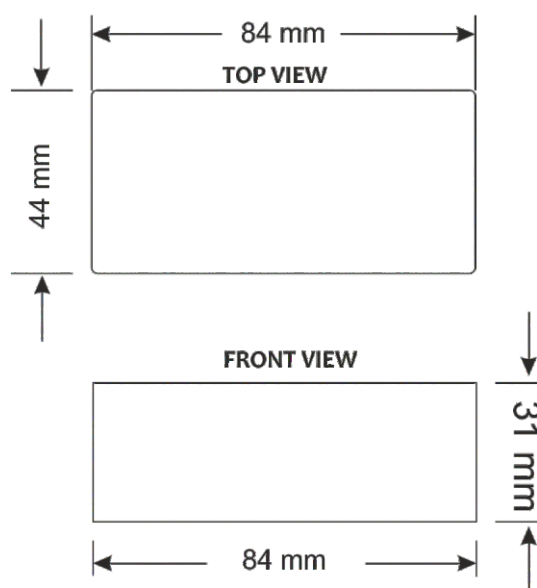
100W
200W

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)	
		Voltage	Current
JUCCTPDN	100W	12V	8A
JUCCTPDN	100W	24V	4A
JUCCTPDN	200W	12V	16A
JUCCTPDN	200W	24V	8A

Mechanical drawing



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/DUAL-COLOR-DIMMER-CONNECTION-DIAGRAM.pdf>

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)

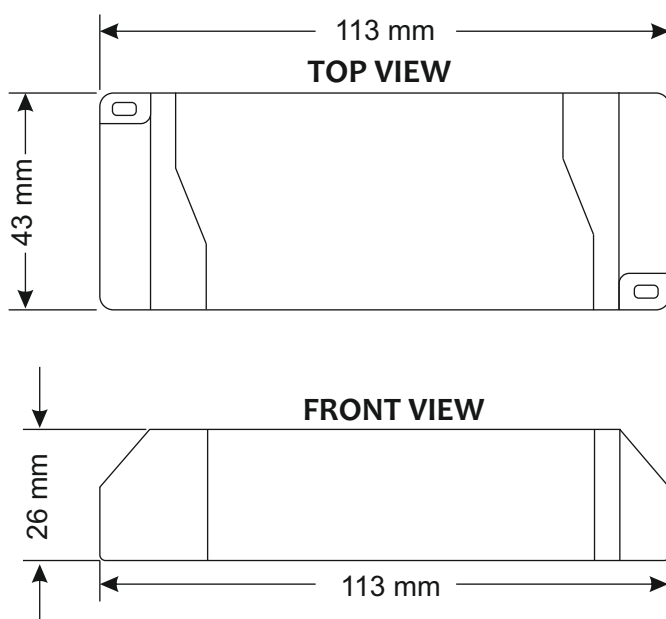
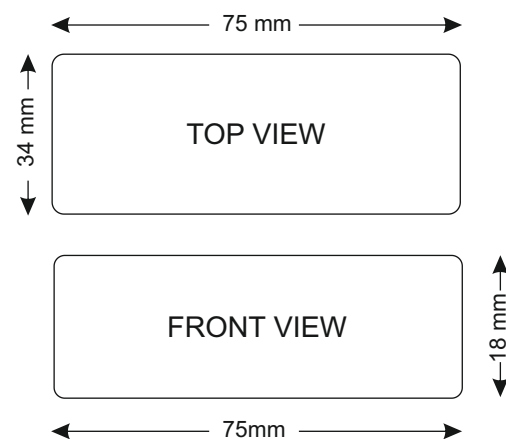
Specification

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



Connection diagram

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%

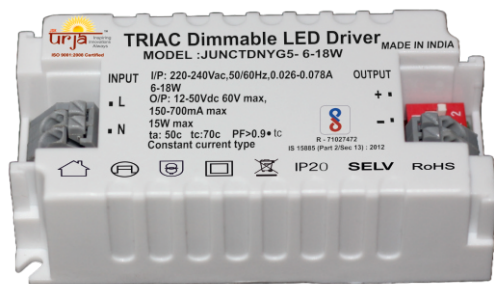
Mechanical drawing



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/ANALOG-DRIVER-CONNECTION-DIAGRAM.pdf>

Phase Cut Dimmable Driver (Triac Base) with Dip Switch



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 - 5 years
6. wattage Adjustable

Application:

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

Technical parameters

Input voltage	(85 ~300)Vac
Auto Cut Off	Yes (300 Vac)
Power factor	>0.98
THD	<3%
Operated temperature	45° C ~ 80° C
Surge Protection	6kV / 6kA

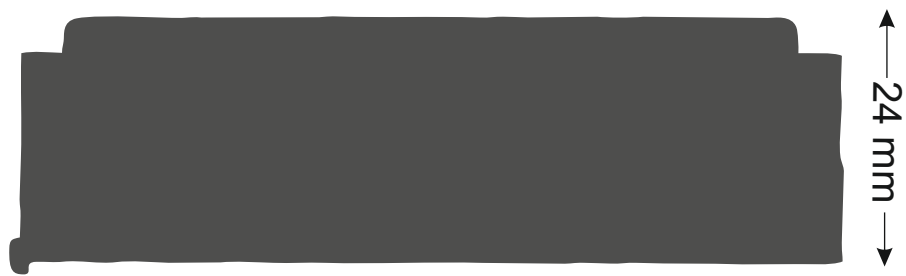
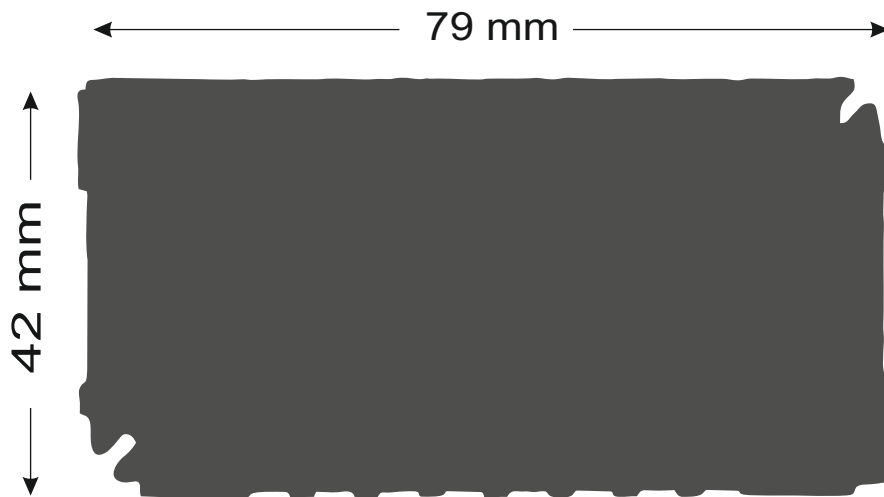
Protection functions	Short Circuit Protection
	Over Voltage Protection
	Over Current Protection
Intelligent control	Phase Cut Home Automation
	Dimmer (Regulator)

Specification

Model no	Wattage
JUNCTD15N 5Y	Upto min 3w
JUNCTD15N 5Y	Upto max 16w

Model	Output power (W)	Output Voltage range (Vdc)		Output current range (mA)	Current Adjustable		Efficiency
		Min.	Max.		pin 1	pin 2	
JUNCTD15N 5Y	5W	18	55	150	Off	Off	85%
JUNCTD15N 5Y	8W	40	55	200	Off	On	85%
JUNCTD15N 5Y	12W	40	55	250	On	Off	85%
JUNCTD15N 5Y	16W	55	55	300	On	On	85%

Mechanical drawing



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 parameter

Input voltage	220-240VAc (Automation channel)
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Available models

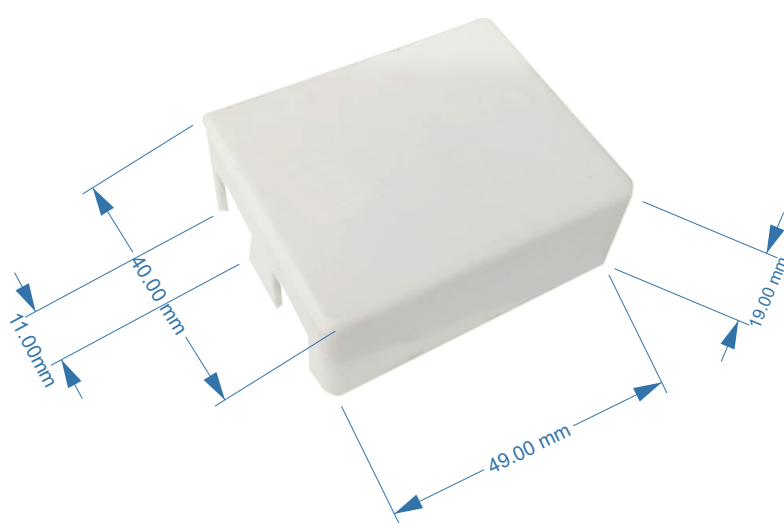
100W
200W

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)	
		Voltage	Current
JUPDN	100W	12V	8A
JUPDN	100W	24V	4A
JUPDN	200W	12V	16A
JUPDN	200W	24V	8A

Mechanical drawing



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/PHASE-CUT-DIMMER-CONNECTION-DIAGRAM.pdf>

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

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

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

Mechanical drawing



Connection diagram

<https://jskurja.com/wp-content/uploads/2023/08/ANALOG-DIMMER-CONNECTION-DIAGRAM.pdf>

Upcoming Products

Dali DT-8

Screen Controller

Toch switches

Toch dimmer

RGB BLE dimmer

The future arrives with our groundbreaking new product..

JSK INNOVATIVE TECHNOLOGY PVT LTD

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