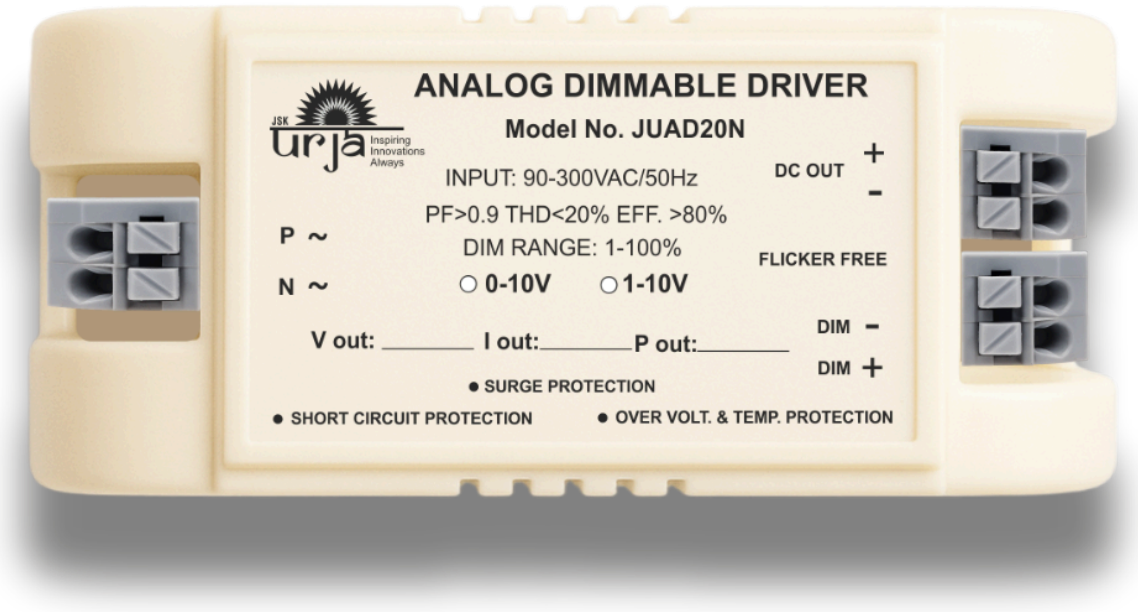
ANALOG DIMMABLE DRIVER (0-10V / 1-10V)

PRODUCT DATASHEET | JUADN-6W-23W



KEY FEATURES

- Smooth Dimming
- Wide Dimming Range
- Compatibility with Home Automation
- Energy Efficiency with High PF & THD
- Compliance with safety standards

DESCRIPTION

Analog dimmable drivers are commonly used in commercial and architectural lighting applications where precise and smooth dimming control is required. They provide flexibility in adjusting lighting levels and creating desired lighting effects for different settings.

Analog dimmable LED drivers typically accept a dimming signal, such as 0-10V (voltage) or 1-10V, to control the dimming levels. The dimming signal can come from various sources, such as wall-mounted dimmer switches, lighting control systems, or dedicated dimming controllers.

ANALOG DIMMABLE DRIVER (0-10V / 1-10V)

MODEL NO. & WATTAGE

Model No.: JUADN-6W-23W

Wattage: 4W to 20W

DIMENSION & WEIGHT

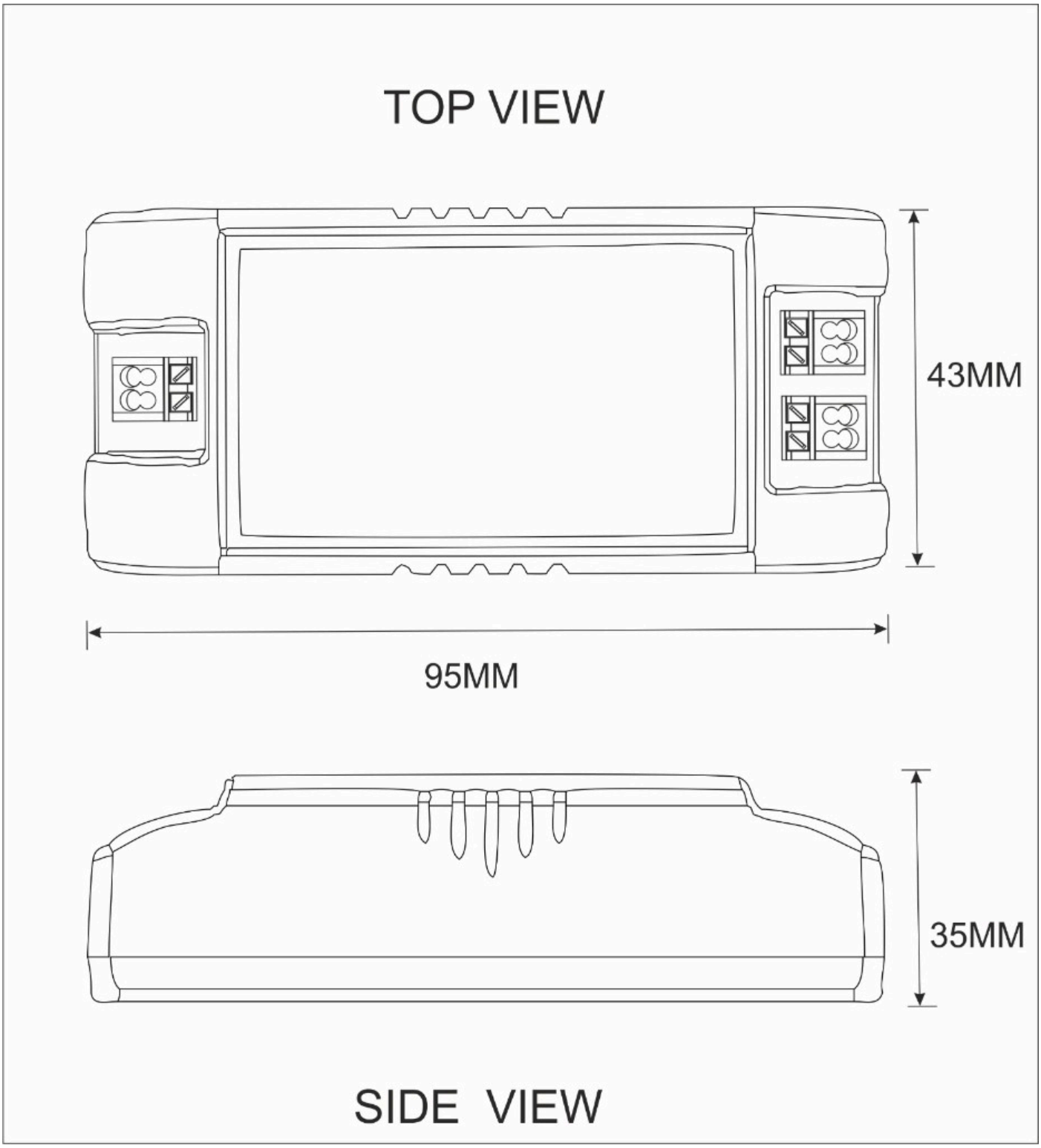
Parameter	Value
Length	95 mm
Breadth	43 mm
Height	35 mm
Connector	Yes
Prewired	No
Weight	71 g

TECHNICAL PARAMETERS

Parameter	Value
Input Voltage	220V–240V AC
Input Wattage	6W–23W
Output Wattage	4W–20W
Frequency	50–60 Hz
Power Factor (full load)	>0.9
THD (full load)	<10%
Efficiency (full load)	>80%
Inrush Current	<6A
O/P Current Type	Constant Current
O/P Current Tolerance	3%
Galvanic Isolation	SELV

ANALOG DIMMABLE DRIVER (0-10V / 1-10V)

MECHANICAL DIMENSION DRAWING



ANALOG DIMMABLE DRIVER (0-10V / 1-10V)

DIMMING & PROTECTION

Parameter	Value
Dimming Method	Analog
0-10V Dimming	Yes
1-10V Dimming	Yes
Dimming Range	1–100%
Surge Protection	6 KV
Over Voltage Protection	Yes
Over Current Protection	Yes
Short Circuit Protection	Yes
Class	II
Suitable for Emergency Lighting	No
Isolated	Yes

TEMPERATURE & MATERIAL

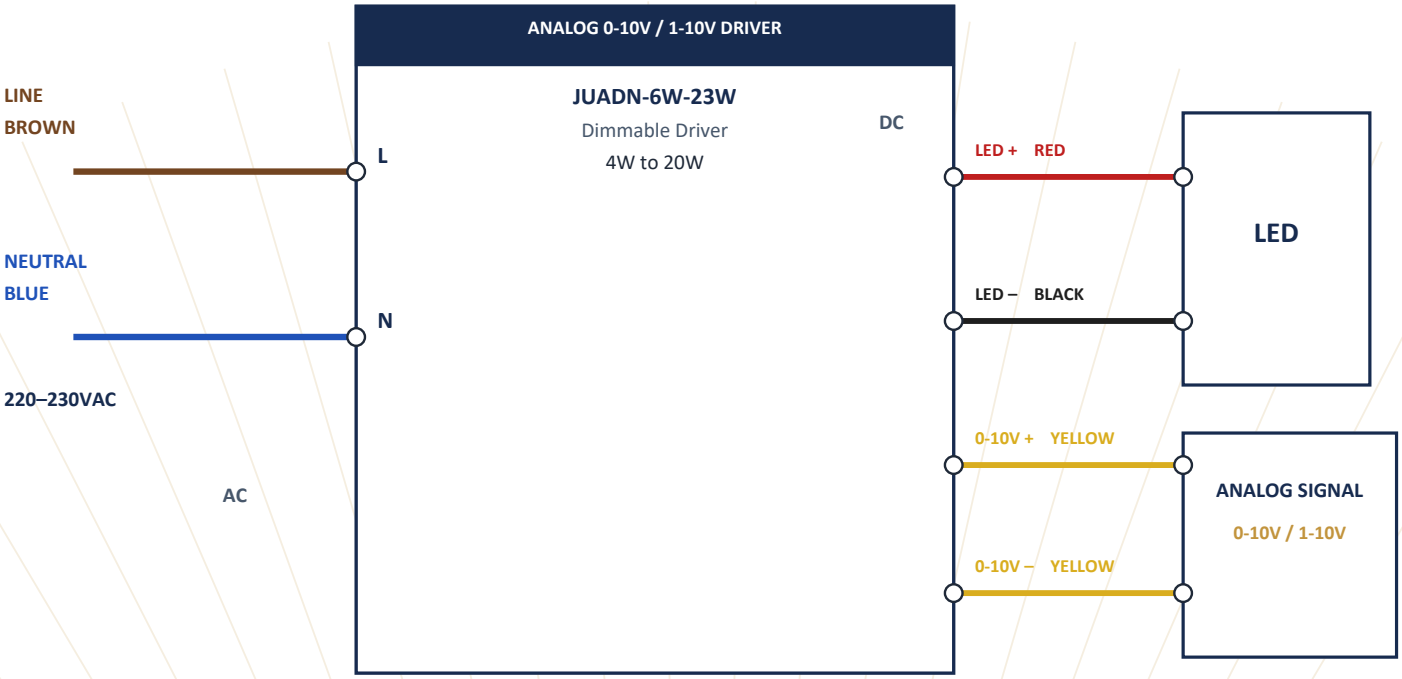
Parameter	Value
Ambient Temperature	50°C
Case Temperature	70°C
Enclosure Material	Plastic
Enclosure Color	Ivory

REFERENCE

Parameter	Value
Model No.	JUADN-6W-23W
Product Page	https://jskurja.com/analog-dimmable-driver/
Connection Diagram	https://jskurja.com/wp-content/uploads/2023/08/ANALOG-DRIVER-CONNECTION-DIAGRAM.pdf
Contact	www.jskurja.com | sales@jskurja.com | +91 9920730373

JSK URJA ANALOG 0-10V / 1-10V DRIVER CONNECTION DIAGRAM

SINGLE CONNECTION



Wire Input: Line – Brown, Neutral – Blue

LED Output: + Red, – Black

Analog signal: 0-10V / 1-10V (+ Yellow, – Yellow)

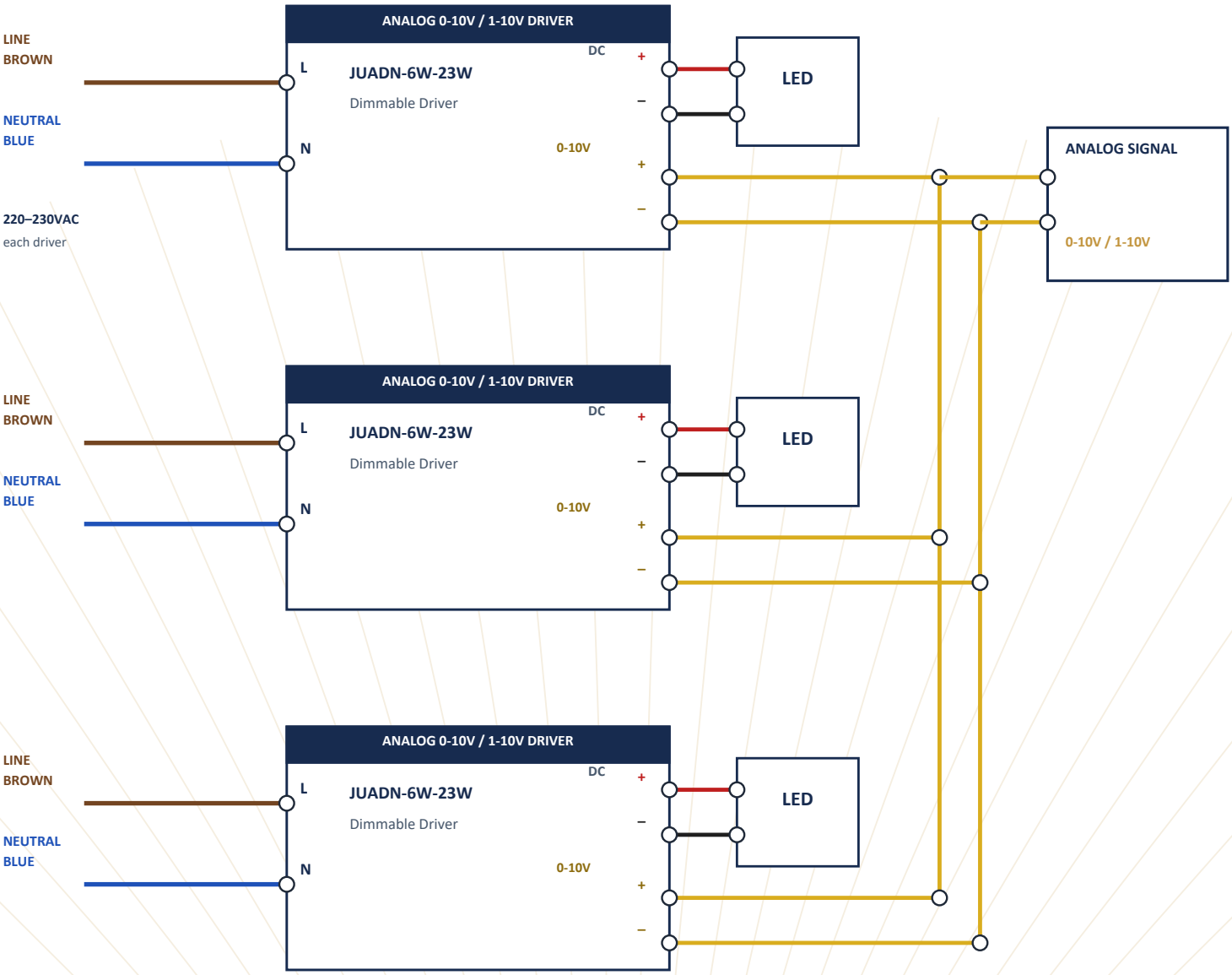
Connector: Yes Prewired: No

Single connection. Supply 220–230VAC as on the Analog Driver connection diagram.

Source wiring preserved

JSK URJA ANALOG 0-10V / 1-10V DRIVER
CONNECTION DIAGRAM

LOOP CONNECTION



Each driver has its own AC supply and its own LED load.

The 0-10V / 1-10V analog signal is looped in parallel to every driver.

Wire Input: Line – Brown, Neutral – Blue

LED Output: + Red, – Black Analog signal: + and – Yellow

Connector: Yes Prewired: No

Loop connection shown. Supply 220–230VAC as on the Analog Driver connection diagram.

Source wiring preserved