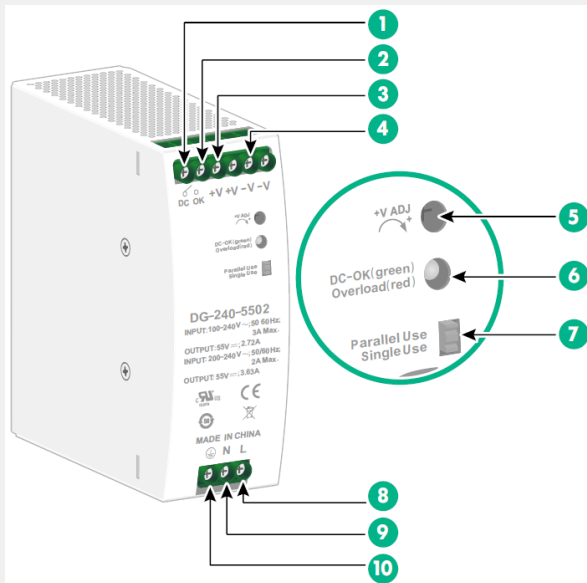


The Intelbras logo is centered at the top of the page. It consists of the word "intelbras" in a lowercase, sans-serif font. The "intel" part is in a dark grey color, and the "bras" part is in a vibrant green color. The background features large, faint, light grey letters "5" on the left and "U" on the right, partially obscured by the logo.

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Intelbras DG-240-5502 Power Supply User Manual

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About the power supply

DG-240-5502 industrial power supply is a DIN-Rail-Mount AC-input and DC-output power supply designed for industrial Ethernet switches. It can be installed on a TS-35/7.5 or TS-35/15 DIN rail.

No.	Mark	Description	
1	DC	Relay pin 1	When the output voltage increases to 40 ± 5 VDC, the relay closes the contact.
2	OK	Relay pin 2	When the output voltage decreases to 35 ± 5 VDC, the relay opens the contact.
3	+V	DC output positive connection	
4	-V	DC output negative connection	
5	+V ADJ	Voltage output adjuste. Turning the adjuster clockwise increases the output voltage. Turning the adjuster counterclockwise decreases the output voltage.	
6	DC-OK (green) / Overload (red)	Voltage output status LED	
7	Parallel Use / Single Use	A switch that controls parallel use or independent use of the power supply.	
8	L	AC input live wire connection	
9	N	AC input neutral wire connection	
10	Grounding	AC input PE wire connection	

- The DC-OK relay detects the output voltage of the power supply. The maximum load that the DC-OK contact can bear is 30 VDC/1 A, 60 VDC/0.3 A, or 30 VAC/0.3 A.
- The parallel/single use switch is factory set to the Parallel Use position. As a best practice, do not change the switch position.
- 1When multiple power supplies are used in parallel, make sure the average output power of each power supply does not exceed 95% of the rated output power as a best practice.

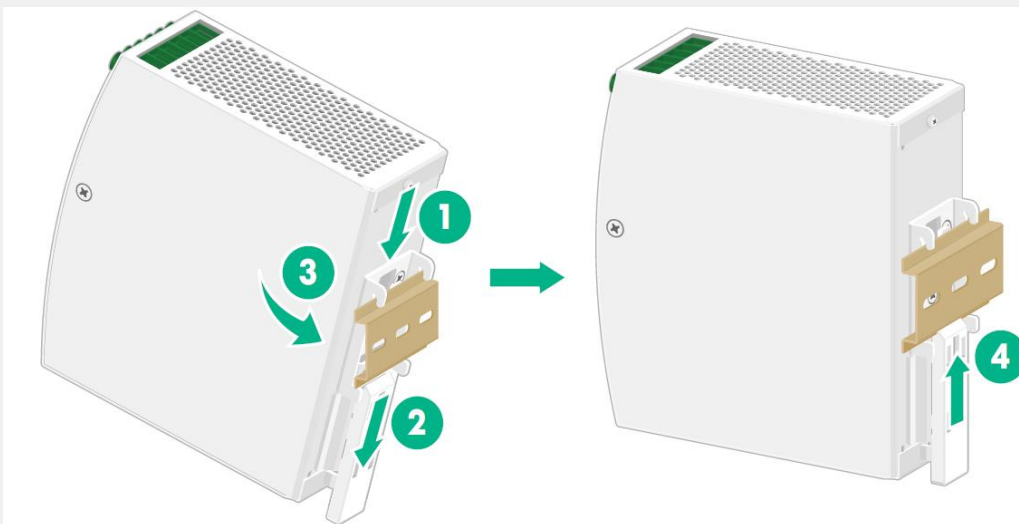
Technical specifications

Item	Specifications
Dimensions (H x W x D)	124 x 45 x 119 mm (4.88 x 1.77 x 4.69 in)
Weight	760 g (26.81 oz)
Rated input voltage range	100 to 240 VAC@50 or 60 Hz
Max. input voltage range	90 to 264 VAC @47 to 63 Hz
Max. input current	90 to 176 VAC: 3 A
Rated output voltage	176 to 264 VAC: 2 A
Output voltage adjustment	55VDC
Range	53.35 to 56.65 VDC
Output current	90 to 176 VAC: 2.72 A 176 to 264 VAC: 3.63 A
Rated output power	90 to 176 VAC: 150 W 176 to 264 VAC: 200 W
Storage temperature	-40°C to +85°C (-40°F to +185°F)
Operating temperature	-25°C to +60°C (-13°F to +140°F)
Storage and operating humidity	5% to 95% RH, non-condensing
Safety/EMC compliance	Safety: IEC 60950-1, EN 60950-1, UL 60950-1, IEC 62368-1, EN 62368-1, UL 62368-1 EMI: EN 55032 Class A, EN 61000-3-2, EN 61000-3-3 EMS: EN 300386, EN 61000-6-2, EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
Cooling	Natural cooling
Protection rating	IP30

Protection mechanism

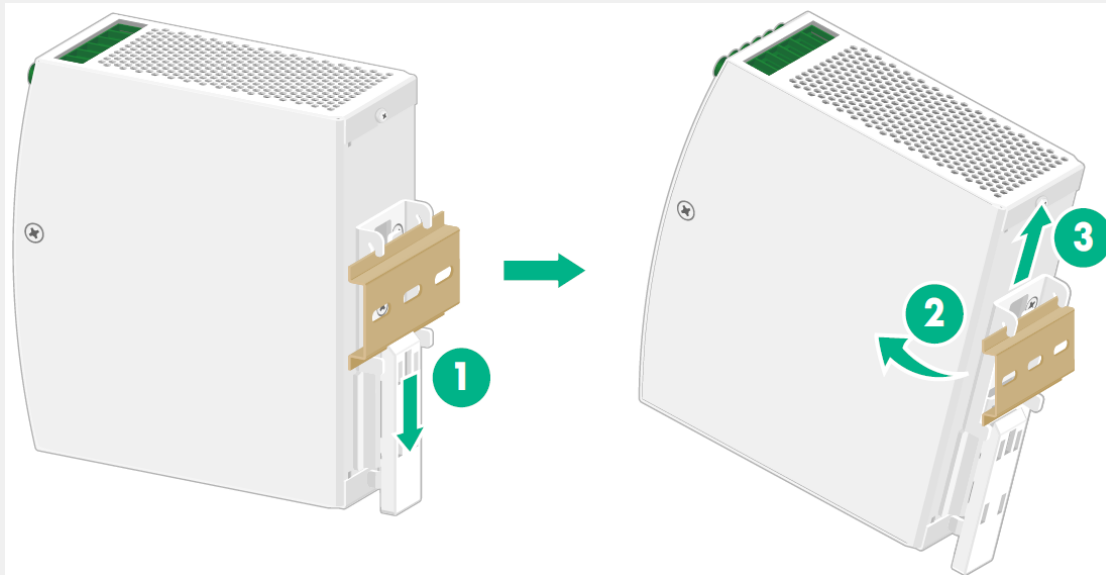
Protection	Protection state	Recovery
Overload protection	No power output. The LED is steady red.	Automatically recovers after the issues are resolved. The LED is steady green.
Overvoltage protection	Output power at a constant voltage level. The LED is steady green.	Automatically recovers after the issues are resolved. The LED is steady green.
Short-circuit protection	No power output. The LED is steady red.	Automatically recovers after the issues are resolved. The LED is steady green.
Overtemperature protection	No power output. The LED is steady red.	Automatically recovers after the issues are resolved. The LED is steady green.

Removing the power supply from the DIN rail

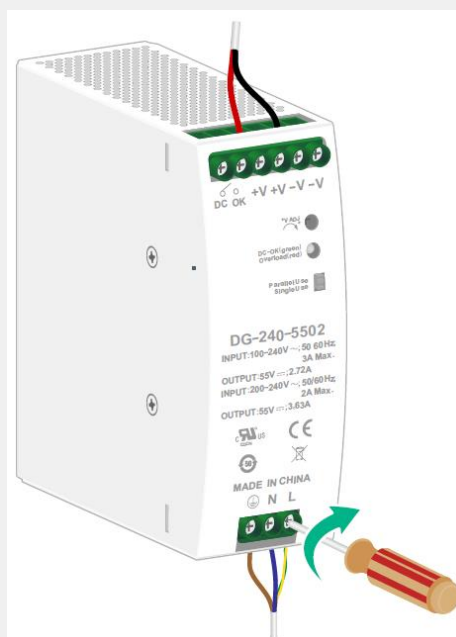


1. Position the power supply so that the hooks of the DIN rail mounting bracket hooks onto the upper edge of the DIN rail.
2. Pull down and hold the spring-loaded latch of the DIN rail mounting bracket.
3. Rotate the power supply towards the DIN rail so that the DIN rail snaps into the mounting bracket.
4. Release the latch of DIN rail mounting bracket to secure the mounting.

Connecting power cords



1. Pull down and hold the latch of the DIN rail mounting bracket.
2. Press down the power supply slightly and rotate the power supply bottom away from the DIN rail so that the bottom of the DIN rail mounting bracket is disengaged from the DIN rail.
3. Release the latch of the DIN rail mounting bracket and then lift the power supply to remove it from the DIN rail.



- The power supply has power input and output terminals, used for connecting AC and DC power cords, respectively.
- The power cord wiring color codes vary by country and region.
- The wire colors in the figure are for illustration only.

Connecting an AC input power cord

1. Insert the exposed PE wire into the ground terminal (Grounding) at the bottom of the power supply.
2. Insert the live and neutral wires into the live (L) and neutral (N) terminals, respectively.
3. Fasten the screws on the terminals to secure the wires.

High voltage is present on the AC input power wires. Make sure the AC power is cut off before connecting the AC input power wires.

Make sure no exposed part of an AC input power wire extends from the connector.

Connecting a DC output power cord

1. Connect the DC output power wires to the wiring terminals at the top of the power supply, with the positive wire to a positive terminal (+V) and negative wire to a negative terminal (-V).
2. Fasten the screws of the terminals to secure the power wires.

Two positive terminals (+V) are provided for the positive output and two negative terminals (-V) are provided for the negative output

Box Content: 1 x AC EXTERNAL POWER SUPPLY

Compatible with: SI 3100-8GP-4S.