



D4

4-channel LED dimmer · WiFi

Four LED strip zones or one RGBW group, with four push-buttons.

4

PWM CHANNELS

12-36

VDC

4

INPUTS

WiFi

2.4 GHZ

PART NUMBER **S-DW004**

FAMILY **LED dimming**

FIRMWARE **4.3.14**

Datasheet S-DW004

DIMMING OUTPUTS

Load type	Constant-voltage LED strips 12-36 VDC. Does not dim 230 V luminaires, 0-10 V or DALI.
Count	4 PWM channels, switched negative: 4 single-colour strips or 1 RGBW strip
Max. current per channel	≈ 3 A (no heatsink, 50 °C) · calculated
Max. total current	≈ 12 A · calculated
PWM	1 kHz, 4096 levels (12-bit)
Dimming	0-100 % with gamma curve, fade, per-channel minimum and maximum, last-level memory
Connection	Terminals O1...O4 + GND + VIN at the bottom; IN1...IN4 + GND + VIN at the top. Up to 2.5 mm ²

INPUTS

Count	4 (IN1-IN4)
Type	Opto-isolated TLP293 (3750 Vrms), SELV
Wiring	Push-button or switch between VIN (+) and INx
Gestures	Single, double, triple and long press. No preset link: set in Triggers.

POWER SUPPLY

Supply	12-36 VDC from the LED strip power supply (SELV). No mains supply.
Own consumption	≈ 0.7 W (LED load not included) · calculated

COMMUNICATIONS

WiFi	2.4 GHz 802.11 b/g/n, built-in antenna
Ethernet	No
Commissioning	Own WiFi access point with captive configuration portal. No app required.
KNX	KNXnet/IP routing and tunnelling; objects per channel; CSV and .knxproj export for ETS
Modbus TCP	Server, port 502, up to 2 clients, published register map

Matter	Yes (bridge, one endpoint per channel): Apple Home, Google Home, Amazon Alexa
Local API	HTTP REST + local automations (event → URL) with conditions
Drivers	Savant, Crestron Home, RTI, Vantage, URC
Updates	OTA over the internet (stable and beta channels) or local file, no cloud

MECHANICAL AND ENVIRONMENT

Format	35 mm DIN rail, 2 modules
Dimensions	36.1 × 90 × 32.2 mm (W × H × D); 97 mm with clips
Weight	≈ 60 g · estimated
Protection	IP20 (indoor, in enclosure)
Operating temperature	0 to +50 °C

STANDARDS

Directives	EMC 2014/30/EU, RED 2014/53/EU, RoHS 2011/65/EU
KNX / Matter	Compatible. Not certified by KNX Association or CSA.
Warranty	2 years

