



D8

8-channel LED dimmer · PoE

Eight LED strip zones, or two RGBW groups, with eight push-buttons and network control.

8

PWM CHANNELS

12-36

VDC

8

INPUTS

PoE

+ ETHERNET

PART NUMBER **S-DE008**FAMILY **LED dimming**FIRMWARE **4.3.14**

Datasheet S-DE008

DIMMING OUTPUTS

Load type	Constant-voltage LED strips 12-36 VDC (single colour, RGB, RGBW). Does not dim 230 V luminaires, 0-10 V or DALI.
Count	8 PWM channels in two groups (O1-O4, O5-O8), switched negative (8 single colour or 2 × RGBW)
Max. current per channel	≈ 6 A (no heatsink, 50 °C) · calculated
Max. total current	15 A per group; 30 A per module · calculated
PWM	1 kHz, 4096 levels (12-bit), no visible flicker
Dimming	0-100 % with gamma curve, configurable fade, per-channel minimum and maximum, last-level memory
Connection	Per group: – + supply terminal and 5-pole terminal (+ common, R, G, B, W), 5.08 mm pitch, 15 A
Behaviour on restart	Last-level restore after a power cut, configurable per channel

INPUTS

Count	8 (IN1-IN8)
Type	Opto-isolated (TLP293, 3750 Vrms), one per channel, with indicator LED
Input voltage	12-36 V DC (SELV): push-button between + and INx; supply – on GND
Gestures	Single, double, triple and long press. No preset link: set in Triggers.
Connection	IN1-IN4, GND · GND, IN5-IN8; pluggable terminals, 3.81 mm pitch

POWER SUPPLY

Logic	12-36 VDC on the top INPUT terminal (+ –), or PoE IEEE 802.3af on the LAN port
LED power	One 12-36 VDC – + terminal per group (O1-O4, O5-O8), 15 A per terminal. Two voltages or two supplies possible. PoE never powers the strips.
Own consumption	≈ 1 W idle; ≈ 1.5 W maximum (LED load not included) · calculated

COMMUNICATIONS

Ethernet	10/100 Mbps, RJ45
WiFi	2.4 GHz 802.11 b/g/n, external antenna. Automatic Ethernet → WiFi failover
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	No
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, 6 modules
Dimensions	105.6 × 112.2 × 57.9 mm (W × H × D, terminals included)
Weight	≈ 200 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

