

NB-IoT Controller - ZSC150

ZHAGA SMART CONTROLLER | NB-IoT | D4i | DALI 2.0 | MQTT | NANO SIM CARDHOLDER

ZSC150 series are the most advanced products in our Zhaga Smart Controller family. The controller comes standard with GPS, LUX sensor and uses Dali 2.0 specification. The ZSC150 is equipped with a nano SIM card holder, allowing the end user to choose the NB-IoT provider. Based on the MQTT network protocol, the current status can be monitored in real time and a day/weekly schedule can be easily applied.

Also, after an error detection, a notification will be sent automatically. The ZSC150 is controlled by user-selectable portal/data management system and via the Remoticom API. The API connection can also be used for data exchange with other existing data or management systems. Because the firmware includes a holiday and exception calendar, different dimming profiles and working times can be set compared to the usual daily and weekly regimes. The emergency function can also be set, whereby the fire level is immediately set to 100%. The built-in tilt detection can be used to monitor the tilt of the column. In case of a tilt of more than 5 degrees, an error message will be given. The ZSC150 creates its own tilt zero point after 48 hours of operation.

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ADVANTAGES.

- » Sustainable, energy- and cost-saving solution
- » Provider self-selection by means of supplied nano SIM card
- » Plug and Play system
- » D4i protocol for driver data readout
- » Public holidays and exception calendar
- » OTA (Over the Air programmable)
- » Compact dimensions
- » Works with a Sensor Ready Driver
- » NB-IoT communication, MQTT protocol
- » GPS
- » Emergency function possible via API (fire mode 100%)
- » Tilt detection

Physical information	
Dimensions	Diameter 80 mm, height 40 mm
Weight	70 grams
Colour	Transparant
Connectors	Zhaga Book 18
Electrical information	
Input voltage	24V interface of the SR driver
Light sensor	Yes
Number of controllable drivers per ZSC150	2
Standby average current	8 mA
Standby average power	0,35 W
Peak current	26 mA
Peak power	0,65 W
Environment & Quality	
Operating temperature	-30 °C until 50 °C
Air humidity	10% until 90% non-condensing
Storage temperature	-30 °C until 50 °C
Storage humidity	5% to 90% non-condensing
IP Class	IP66
IK Class	IK08
UV protection	Protection by casing
Quality marks	CE
Digital connection	Sensor Ready Drivers D4i