



Zhaga Smart Controller 200

NB-IoT/LTE-M | Bluetooth mesh | RTM-DM | DALI D4i

Zhaga Smart Controller 200.

Remoticom Zhaga Smart Controller 200(ZSC200) series are the most advanced products in our Zhaga Smart Controller family. It has a GNSS, Tilt sensor, Ambient light sensor, Bluetooth mesh and supports the DALI D4i standard. ZSC200 is equipped with a SIM chip (MFF2 type) and a nano SIM card holder, allowing the end user to choose the NB-IoT/LTE-M provider. Using Atlas the ZSC200 and other devices on the DALI bus can be remotely monitored and configured. The ZSC200 can control up to 4 LED drivers (DALI Control Gear) and assign a dim schedule to each driver. It can also respond to D4i motion sensors, switching the light when motion is detected.

The ZSC200 can automatically send out a notification to the Atlas server when an error is detected, such as when the light has a short circuit, the driver is overheating, or the streetlight has tilted. The ZSC200 is controlled by a user-selectable device management system. Remoticom's dim module allows the operator to create dim schedules and scenes. The operator can specify a custom lighting plan with a fine-grained approach such as specifying weekday planning, holiday planning and other events. The operator creates scenes and specifies when these scenes are processed. They can specify weekdays, holidays and/or other recurring/non-recurring events.

The overwrite mode of the ZSC200 allows to change the light level of each specific driver easily in case of emergency. The built-in tilt detection can be used to monitor the tilt of the fixture. The Zhaga Smart Controller 200 can automatically notify when a fixture exceeds its configured tilt threshold.

The ZSC200 supports a sunrise and an ambient light filter mode. When the sunrise filter is enabled, sunrise and sunset times are calculated based on the date and location. During the day time, the light is switched off. When the ambient light filter is enabled, the light will automatically switch off when the sun rises. Otherwise, the light will resume its normal operation. The filter mode can be configured for each LED driver individually.

When the ZSC200 receives a trigger from a D4i motion sensor, such as the Remoticom EnergyNode Motion, it will set the light to a specified light level for the duration of the hold time.

ADVANTAGES.

- ✓ Sustainable, energy- and cost-saving solution
- ✓ NB-IoT/LTE-M cellular communication
- ✓ Bluetooth mesh 1.1
- ✓ GNSS
- ✓ Tilt detection
- ✓ Ambient light sensor (optional)
- ✓ Provider self-selection by means of supplied SIM chip or nano SIM card holder
- ✓ RTM-DM
- ✓ Remote device updates
- ✓ Advanced D4i monitoring, diagnostics and maintenance data
- ✓ Configurable dim schedules
- ✓ Plug and Play system
- ✓ Compact dimensions
- ✓ Sunrise and ambient light filters for smart light control
- ✓ Supports D4i motion sensors
- ✓ DALI D4i
- ✓ DALI DT6 & DT8

INSTALLATION ZSC200.

When mounting, press lightly and then turn 45° clockwise.



PRODUCT DATA ZSC200.

Physical information	
Dimensions	Diameter 80 mm, height 55mm
Weight	70 g
Colour	Smoked
Connectors	Zhaga Book 18

Electrical information	
Input voltage	24V (DALI AUX)
Light sensor	Optional
Number of controllable drivers per ZSC200	Up to 4
D4i Type	Type-A (multi-master)

Environment & Quality	
Operating temperature	-30 °C to +70 °C
Air humidity	10% to 90% RH, non-condensing
Storage temperature	-30 °C to +50 °C
Storage humidity	5% to 90% RH, non-condensing
IP Class	IP65
IK Class	IK08
UV protection	UL-spec 746C
Quality marks	CE
Connections	DA+, DA-/GND and AUX
DALI parts	101, 103 and 351
Support DALI parts (DALI 2 & D4i Control Gear)	102, 207, 209, 250, 251, 252 and 253
Support DALI parts (D4i motion sensor)	103, 303 and 351

Commercial	
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