

Data sheet light

GreenStreet CC-100 Cabinet Controller

The data sheet light contains limited information on the product. See the full data sheet for more information.



ELECTRICAL CHARACTERISTICS

Name	Value	Unit	Condition
Mains supply	3W+N+PE, 230/400	Vac	Only 1 phase required; 90-265 Vac, 50/60 Hz
Power consumption	Nominal 2; max 10	W	

CONTROL & INTERFACES

Name	Value
Relays	3 relays, max 6 A @ 250 Vac resistive load. Do not use for SELV equipment.
I/O	2 digital inputs 230 Vac; 2 digital inputs max 35 Vdc; 1 analog input 0-10 V / 4-20 mA
Serial communication	1 RS-232/485 (Modbus), 1 RS-232
Power supply output	24 Vdc, 12 W; can be used to power the CG-600 Smart City Gateway
Mains supervision	Yes, each phase line is monitored
Other	Pluggable terminals, LED indicator for power and status, RTC backup (72 hours)

WIRELESS COMMUNICATION

Specification item	Value	Unit	Condition
RF communication	Mesh, 2.4	GHz	GFSK, integrated PCB antenna as default. Optional with external antenna if long range is required and mounted I metal cabinet
RF protocol software	Wirepas (default)		Decentralized network infrastructure; all devices can route; multi-gateway support; multi-channel operation; efficient collision-free spectrum use to allow dense networks. For other supported RF stacks, contact Capelon.
Security	AES 128-bit encryption		

PRODUCT VARIANTS

Model	Variant	Description
CC-100	Internal RF antenna	WP 2.4 GHz, internal RF antenna
CC-100	External antenna connector	WP 2.4 GHz, connector for external antenna

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PROTECTION

Specification item	Value	Unit	Condition
Required external fuse	6	A	
Material & protection	Lexan 940 and Noryl VO 1550, UL94-V0		
IP rating	IP30		

INSTALLATION & MOUNTING

Specification item	Value	Unit	Condition
Installation	6 DIN modules, 35 mm DIN		
Mounting location	Inside feeder pillar / street-lighting cabinet		

TEMPERATURE & HUMIDITY

Type	Value	Unit	Condition
Operational temperature	-40 to +60	°C	
Storage temperature	0 - 50	°C	In the event of water ingress, the unit must be fully dried before use. Do not store the unit near substances that may create a corrosive environment.
Relative humidity	5 to 95	%	Non-condensing. For use up to max 2000 m. For higher altitudes, contact Capelon.

DIMENSIONS & WEIGHT

Item	Value	Unit	Comment
w	105	mm	Width
D	57	mm	Depth
H	86	mm	Height
Weight	257	g	

APPROVALS

Item	Value
Approvals	RED Directive 2014/53/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU, LVD Directive 2014/35/EU
Radio	EN 301 489-1, EN 301 489-17, EN 300 328, ver. 2.2.2
EMC	EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, IEC 61000-6-3
Safety	EN IEC 62368-1:2020+A11, Overvoltage Category II

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