

SC-200

Streetlight Controller



SC-200 is the heart of the GreenStreet® lighting system. It is a compact and Flexible unit that can handle basically anything from simple On/Off control and dimming with power controllers to remote control of individual lighting points.

SC-200 gives you the opportunity to start simple before progressing to more advanced control when the demands increase.

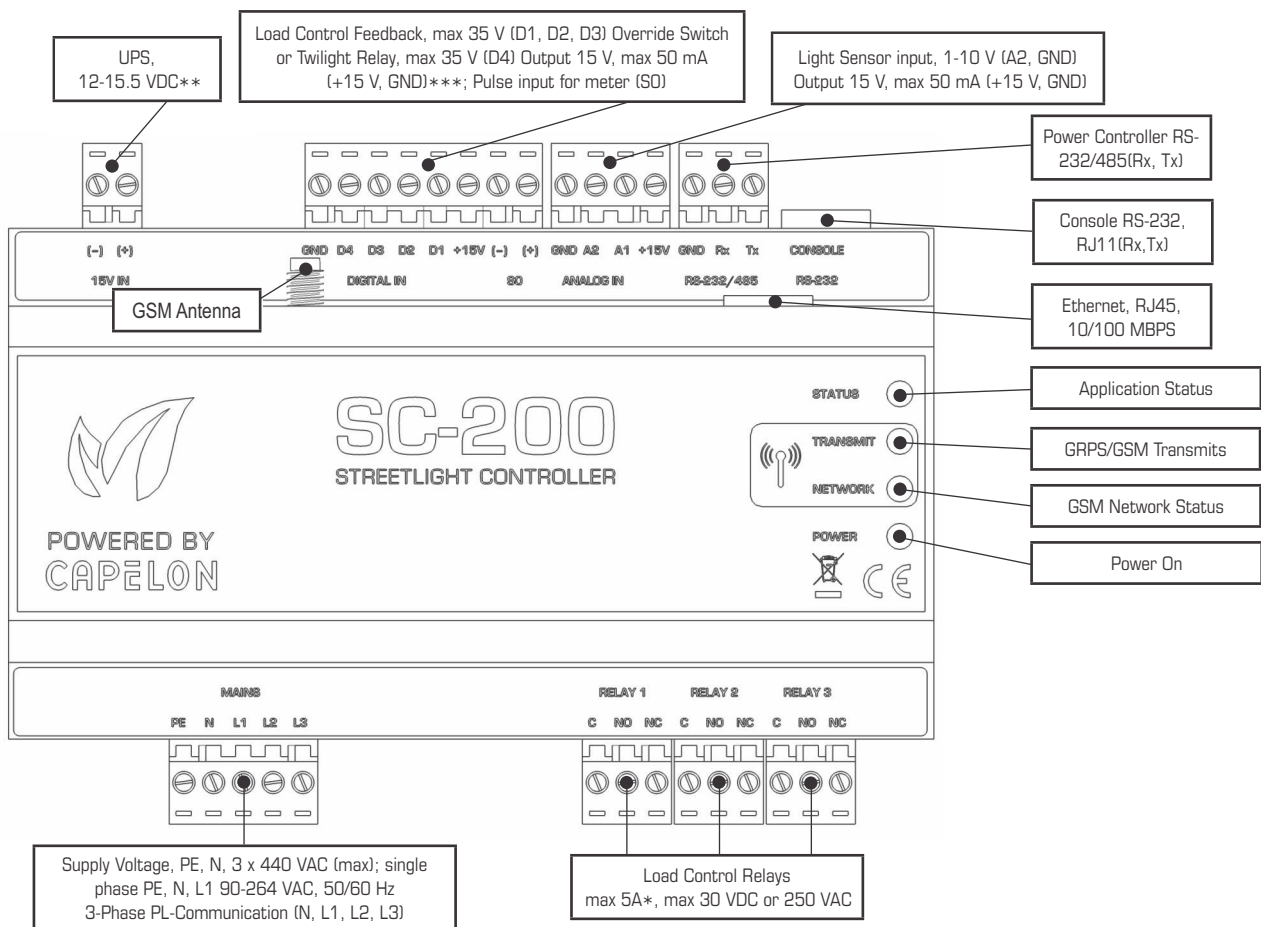
- Be in Control of your Streetlights
- Alarm and Status Reporting
- Adaptive Lighting Control
- Dimming with Power Controllers
- Dimming of Individual Light Points
- Built-in 2G/3G Modem
- Powerline Communication
- Extended Monitoring with Electricity meter
- Flexible Dimming Scenarios

SC-200 can be used in stand-alone mode using its built-in astronomical clock to determine when to turn lights on or off. Alternatively an analog light sensor can be connected to the SC-200 to control the lights based on the ambient light level.

SC-200 is equipped for remote access through a built-in GPRS-modem. The SC-200 can easily be connected to GreenStreet Vision which provides an on-line web based control and monitoring service. GreenStreet Vision provides functions such as alarm management, site views and information about energy consumption and burning hours.

“Intelligent Street Lighting” is a concept which amongst other things includes the monitoring and dimming of individual lighting points. One of the greatest advantages with SC-200 is the built-in powerline communication enabling monitor and control of more than 200 lighting points.

Powerline communication also opens up for a number of additional possibilities such as remote reading of electricity meters, alarm monitoring, load control and turning on and off lighting on side street segments.



TECHNICAL DATA

Platform	ARM 9, 32 MB SDRAM, 8MB Flash, EEPROM; LON® (ISO/IEC 14908), PL3120
Remote Access	Ethernet 2G/3G
Serial Comm	Console Port RS-232 (Rx, Tx), RJ11; Terminal Port RS-232/485 (Rx, Tx)
Supply Voltage	PE, N, 3 x 440 VAC(max); single phase PE, N, L1 90-264 VAC, 50/60 Hz
UPS Backup**	12 – 15.5 VDC; Note if > 13.8 VDC then UPS should not be used in parallel with mains supply voltage
Output Voltage***	The two 15 V 50 mA outputs are restricted to be used only with the GND on their terminal block.
Relays*	Max 30 VDC or 250 VAC. Max 5A (resistive loads); PF=0.95, 1250 VA, 100 000 cycles; PF=0.8, 920 VA, 30 000 cycles; PF=0.2, 230 VA, 30 000 cycles.
Power Consumptions	Nominal 2.5 W max 20 W
PL-Communication	3-phase powerline communication (ISO/IEC 14908-3), C-band
Enclosure	157x58x90 mm (LxBxH), 9-modules 35 mm DIN-mounting, IP-21, Plastic Lexan 940-701, UL94-V0, Weight 380g
Temp/Humidity	-30 to 60° C, 5-90% relative humidity, non-condensing
EMC & Safety	EN 61000-6-2 and EN 61000-6-4 (Industry); EN 60950-1 (Safety)
MTBF	>15 years (MIL-HDBK-217E)

