



SL2105

Five Channel Lighting Control
Module

Description

The SL2105 is a microprocessor based lighting control module designed to control up to five lighting channels.

The SL2105 features:

- Stand-alone or network operation
- 365-day programming for each circuit
- Analog inputs for photo sensors with the ability to remotely adjust sensitivity level
- Analog input for energy consumption with the ability to limit loads.
- Digital photocell inputs
- Astronomical clock
- Remote or local override of each circuit
- External time clock or occupancy sensor input for each circuit
- LEDs for monitoring status
- No battery required for control parameters, schedules or clock
- Vanishing holidays
- End of occupancy blink warning
- Selectable normally open or normally closed relay outputs

Specifications

General

Accuracy: +/- 0.5%

Programming: EIA RS485 interface

Communications: RS485, half duplex

Memory backup: Non-volatile EEPROM, no battery required

Environmental

Operating temperature: 32 to 131°F (0 to 55°C)

Operating humidity: 0 to 100% RH, non-condensing

Storage temperature: 14 to 140°F (-10 to 60°C)

Electrical

Supply voltage: 24 VAC, +/-20%

Inputs: five momentary override, five digital (dry contact), and two selectable 0 to 5 VAC or 4 to 20 mA DC analog

Outputs: ten digital (SPST dry contact, 24VAC @ 2A) configurable

Analog input impedance: 250 Ω

Common mode rejection: 100 db @ 60 Hz

Power consumption: 15 VA max.

Specifications subject to change without notice.

Specification Suggestions

Microprocessor-based lighting controllers shall be of the low voltage type.

Each lighting controller shall be a 365-day device with eight individually timed circuits. Each circuit shall accept a digital input for photocells or override switches which can be used with the internal clock to turn the circuit on and off, as specified by its mode. Lighting channels shall have blink option for end of occupancy warning. Each channel shall have the capacity for programming two on events per day and twelve assignable holiday periods of up to 99 days each with option for vanishing holidays. Each lighting controller shall have automatic standard and daylight savings adjustment, as well as leap year correction. Each controller shall have its schedule and programmed parameters stored in non-volatile memory. Lighting controller shall accept analog input for photo sensor that can be used independently with each channel for light level control. Lighting controller shall accept analog input for power demand transducer that can be associated with any channel. Each channel shall have the ability to turn off and on based on demand input. Controller shall have option for normally open or normally closed relays. Lighting controller shall contain longitude and latitude settings to control each channel based on astronomical time setting. Controller must support non-volatile memory, so that in the event of power loss, all programmed operating parameters shall be unaffected without the use of battery backup. All control functions shall continue in the event of a communications failure.

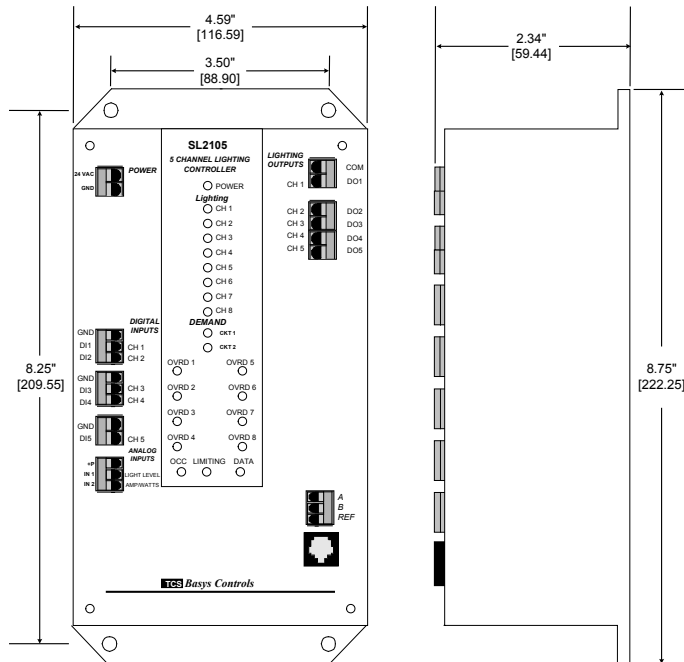
Communications protocol shall be provided in accordance with EIA RS485 standards. All firmware communications protocol and command codes shall be published, open and non-proprietary. Lighting control modules shall be model SL2108 as manufactured by TCS/Basys Controls.

Ordering Information

Part #	Description
SL2105	Five channel lighting control module
SL2105 Accessories	
PE Series	Power meters and transducers
PO Series	Occupancy Sensors
PL Series	Photocell and light sensors
QD1010	RS232 to RS485 communications converter (required for programming)
REVPRO	Revelation Professional software (required for programming)
PT Series	Control transformers

Dimensions Note: inches [mm]

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