

TORK

MODEL LC200

Dual Stage Lighting Controller

DESCRIPTION, INSTALLATION & OPERATION

Description:

The Model LC200 consists of an electronic control and an electronic light sensor interacting. The unit offers separate control of two lighting zones, each with user settable on/off light level setpoints. The Electronic control also offers two digital inputs which will accept a contact closure from any TORK Timer(s), or existing EMS system to provide for independent time-of-day override if required.

Features:

- Single electronic light sensor with swivel (Model EPC-1) which can be mounted up to 1000 feet from controller
- Dual outputs with independent adjustment from 2 to 100 footcandles
- Two independent "Time-of-Day" inputs
- 30 second delay on start-up
- Power-On status indicator
- Load status indication for each load

Installation:

1. Remove the Control from its enclosure, push tab to right and swing unit to left and remove.
2. Mount the enclosure at eye level using screws or other suitable fastening device.

NOTE: Disconnect all external power before wiring to prevent electrical shock or damage to equipment. Wiring must comply with appropriate codes.

3. KO's top, bottom and side (1/2" and 3/4")
 - a. Use bottom or side KO's for Input power, and load wiring. See wiring diagram for connection.
 - *b. Use top KO's for light sensor and Time-of-Day control input wiring (recommended wire size is 18 to 22 AWG twisted pair). See wiring diagram for connection.
4. The electronic light sensor Model EPC-1, can be mounted up to 1000 ft. away through a standard 1/2" SPT connection to an outdoor weatherproof junction box. Use suitable tape or sealant on nipple threads. **Must be mounted in the upright position.** See wiring diagram for connection.

Setting The Light Level Adjustment:

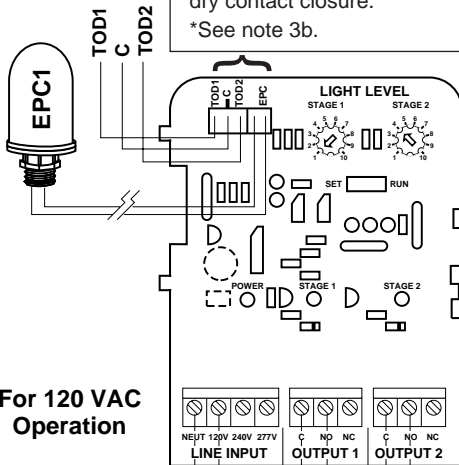
NOTE: Setting the light level dials for both Stage 1 and Stage 2 must be done when ambient light levels fall to the actual point when electrical lighting is required.

1. Move SET/RUN switch to the SET position.
2. Rotate Stage 1 and 2 light level dial clockwise to their maximum light level setting (position 10)
3. Wait until the ambient light falls to the point when Stage 1 electrical lighting is required. Rotate the Stage 1 light level dial counterclockwise until the lighting comes on.
4. Repeat step #3 above for Stage 2 electrical lighting.
5. Return the SET/RUN switch to the RUN position. The unit is now ready for operation.

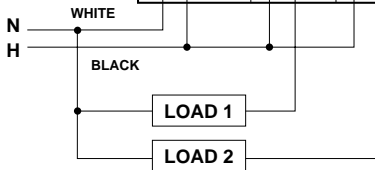
WIRING DIAGRAMS

Do not apply any external voltage to terminals TOD1, C, TOD2, or EPC . For time of day operation, connect dry contact closure.

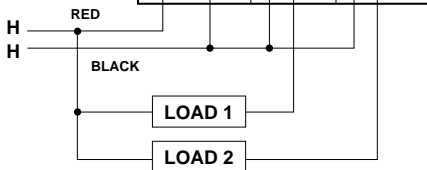
*See note 3b.



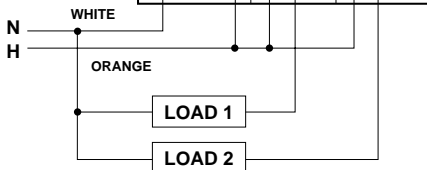
For 120 VAC Operation



For 240 VAC Operation



For 277 VAC Operation



ELECTRICAL RATINGS:

Voltage Input: 120/240/277 VAC 50/60 Hz

Power Consumption: 5VA Max.

Switching: SPDT (each stage)

CONTACT RATINGS:

	VOLTAGES	NO	NC
Ballast	120 VAC 240/277 VAC	20A 6A	10A 3A
Tungsten	120/240/277 VAC	5A	3A
Resistive	120/240 VAC 277 VAC	20A 12A	10A
Pilot Duty	120/240 VAC 277 VAC	470VA 690VA	275VA

Sensor: Standard EPC-1 Electronic Photocell

Indicators: LED
GREEN for Power
RED for CH1 & CH2 relay status

Time Delay: 30 Sec. \pm 10 Sec.

Set Point Range: 2fc to 100fc

Time-of-Day Inputs:

The two relays can be remotely overridden by attaching a closed dry-contact switch between the "C" and the appropriate "TOD" contact.

Temperature Range: -40°F to 140°F
-40°C to +60°C

TORK®

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