

DIGITAL

365/7 Day SunSet Time Switch

1 & 2 Zone Astronomic Lighting Control For Energy Code
DGLU & DGLC Series



APPLICATIONS

INTERIOR LIGHTING

- Open office lighting, hallways.
- Meeting and sales areas, stock room and warehouses.

EXTERIOR LIGHTING

- Signage and store windows.
- Security, parking lots.

FEATURES

- **Scheduling:** 56 ON & OFF set points provide individual programs for each day of the week. Minimum setting is 1 minute.
- **Sunset Astronomic:** Adjusts daily to changes in sunset times. Adjustable 10° - 60° Northern or Southern latitudes. Can be individually offset +/- 1-240 minutes from both sunset and sunrise times.
- **Photosensor Input:** Unique push button set-up assures accurate operation with automatic calibration that adjusts for wire size and distance. EPC-A photo sensor is included with the DGLC-A and may be ordered as an option for use with model DGLU100A & DGUM100A.
- **Light Level Activation:** Turn ON is user settable from 1 to 100 footcandle; Turn OFF is a maximum of 2 times turn ON level. Each channel has an independent setting. Includes a user settable delay before ON and OFF between 1 – 90 seconds.
- **Remote Override On:** Each channel has independent input for a maintained dry-contact closure. May use TORK model SS410 and TRP-24B for timed override. May use with occupancy sensor with dry contacts as override.
- **Manual Override:** Until the next regularly scheduled ON or OFF, automatic operation then resumes.
- **Momentary Contact - DGUM100A:** 2 second contact closure ON & OFF to control mechanically held contactors or latching relays.
- **Block Holiday:** 9 holiday blocks can be set for individual days or for duration of any number of days.
- **Daylight Saving:** Automatic adjustment (can be omitted).
- **Leap Year:** Automatic Compensation.
- **Clock Format:** AM/PM or 24 Hour format.
- **Power Outage Backup:** Permanent schedule retention. Supercapacitor provides 7 days of real time backup.
- **Standards:** Listed UL916.
- **Enhanced Switching:** Inrush current limiting technology protects relay contacts for extended life with zero cross type switching.

SPECIFICATIONS

- **Timing Accuracy:** Line Frequency.
- **Input Voltage:** 120-277VAC, 50/60Hz (auto detection).
- **Terminal Range:**
#12 - #18AWG for line/load.
#18 - #26AWG sensor/switch input.
- **Operating Temperature:** -31 °F to +131 °F (-35 °C to +55 °C).
- **Power Consumption:** 6VA Max.
- **Enclosure:**
- Noryl® Indoor/Outdoor NEMA 3R.
- Suffix -NC Noryl® Indoor/Outdoor NEMA 3R with clear Lexan® cover.
- Suffix -Y metal Indoor enclosure NEMA 1.
- All with lockable hasp. (See Pages 464-468 For Dimensions).

WIRING DIAGRAMS

- See Pages 377-388 For Diagrams.

DGLU100A



CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT CONTACTS
DGLU100A-Y	82211	120-277	1	DPDT
DGUM100A*	82212	120-277	1	SPDT Momentary
DGUM100A-Y*	82224	120-277	1	SPDT Momentary
DGLC100A-NC	82223	120-277	1	DPDT
DGLC200A-NC	82213	120-277	2	SPDT
EPC-A	82112	Accessory Photo Sensor	—	—
SS410	14033	24VAC/24VDC	—	SPDT
TRP-24B	98225	120/277	Transformer Power Pack	SPST

*No Electronic Ballast (LED) Rating

TYPE	VOLTAGE (VAC)	RATING	
		NO	NC
Resistive	24-277	20A	10A
Ballast	120-277	20A	10A
Tungsten	120	15A	—
Pilot Duty	120	720VA	290VA
	240	720VA	360VA
Motor	120	1HP	1/4HP
	240	2HP	1/2HP
Resistive	28VDC	20A	10A
Electronic Ballast (LED)	277	16A	—