

# DIGITAL

## 24 Hour or 7 Day Time Switch

### Signaling & Duty Cycle

DGS Series



#### SPECIFICATIONS

- **Timing Accuracy:** Line Frequency.
- **Terminal Range:** #12 - #18AWG.
- **Operating Temperature:** -31 °F to +131 °F (-35 °C to + 55 °C).
- **Power Consumption:** 6VA Max.
- **Enclosure:**
  - Noryl® Indoor/Outdoor NEMA 3R.
  - All with lockable hasp. (See Pages 464-468 For Dimensions).

#### APPLICATIONS

- Signaling.
- Duty Cycle.

#### FEATURES

- **DG180A & DG280A:** 56 ON & OFF set points provide daily repeated programs. Minimum setting is 1 minute.
- **DGS100A:** 56 ON & OFF set points provide individual programs for each day of the week. Minimum setting is 1 minute.
- **Duty Cycle & Signaling:** Two different ON/OFF patterns or signal durations may be programmed. The durations can be up to 23 hours, 59 minutes and 59 seconds in length.
- **Skip Function (24 Hour Units Only):** Each channel can be set for ACTIVE/SKIP operations that alternate from 1 - 31 days. This becomes an effective way to cycle loads on varying days within the month. Using the two-circuit DG280A, two loads can be set to operate on alternate days in a simple manner.
- **Daylight Saving:** Automatic adjustment (can be omitted).
- **Leap Year:** Automatic Compensation.
- **Manual Override:** Until the next regularly scheduled ON or OFF, automatic operation then resumes.
- **Clock Format:** AM/PM or 24 hour.
- **Power Outage Backup:** Permanent schedule retention. Supercapacitor provides 7 days of real time backup.
- **Standards:** Listed UL916.

#### WIRING DIAGRAMS

- See Pages 377-388 For Diagrams.

CAT. NO.	UPC CODE	INPUT SUPPLY (VAC) 50/60Hz	NO. OF CHANNELS	OUTPUT CONTACTS
<b>24 HOUR MODELS</b>				
DG180A	82206	120-277	1	DPDT
DG280A	82207	120-277	2	SPDT
<b>7 DAY MODELS</b>				
DGS100A	82205	120-277	1	DPDT

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