



KINGDOM ELECTRONICS CC

Electronic Design and Manufacture
Security & Access Control Equipment

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TECHNICAL PRODUCT BULLETIN

12v DC Day Night Switch-DOME

Application

- ▶ To automatically bypass or turn on/off any equipment during the day or at night.

Specifications

- ▶ 12v DC operation, ideal for solar installations.
- ▶ Normally open positive switching relay contact.
- ▶ Low standby current 4.5mA.
- ▶ Current rating 10A@ 12 VDC.
- ▶ Fail safe operation.
- ▶ Ambient light < 5-15 LUX
- ▶ Supplied in plastic dome enclosure.
- ▶ Physical size: 69mm x 49mm.

Wiring Diagram

- | | | |
|---|--------|----------------|
| ○ | RED | +12v DC INPUT |
| ○ | BLACK | - 12v DC INPUT |
| ○ | YELLOW | RELAY N.O. |
| ○ | WHITE | RELAY COM |
| ○ | BLUE | RELAY N.C. |



Installation

- ▶ Install the photocell above the lights it is controlling.
- ▶ Connect 12v DC input and outputs.
- ▶ Cover the unit with a black plastic bag to simulate darkness, after +- 5 seconds the relay will energise.