



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.