TECHNICAL PRODUCT BULLETIN

12v DC Day Night Switch

Application

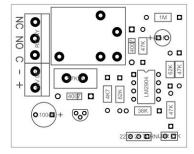
To automatically bypass or turn on/off any equipment during the day or at night.

Specifications

- 12v DC operation, ideal for solar installations.
- Normally open and closed potential free relay contacts.
- Low standby current 5.6mA.
- Current rating 10A@ 12 VDC.
- Fail safe operation, relay energised during the day.
- Supplied in plastic enclosure filled with waterproof resin.
- Physical size: 69mm x 49mm x 24mm.

Wiring Diagram

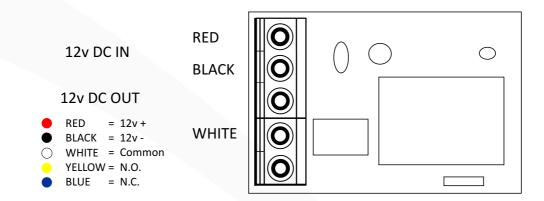
0	BLUE	N.C. Relay Contact
0	YELLOW	N.O. Relay Contact
0	WHITE	C Relay Contact
0	BLACK	- 12v DC
0	RED	+12v DC



Installation

- Connect 12v DC and relay contacts to power the equipment.
- Relay will energise if light is detected.
- Cover the unit to simulate darkness, after +- 20 seconds the relay will drop out.

TECHNICAL DATA INFORMATION 12v Day/Night Switch



Neat 12v DC Day Night Switch

BLUE = N.C. YELL = N.O. WHITE = common BLACK = NEG 12v RED = POS 12v



The NEAT day night switch will automatically turn the relay on and off from sunrise to sunset.

Apply 12v DC, the relay turns on for as long as light is detected, cover the sensor for more than 20 seconds, the relay will turn off, allow more than 20 seconds of light to turn the relay back on.

Use Common and N.C. connections to power LED lights at night.

Use Common and N.O. connections to bypass or power equipment during the day.

Typical connection

