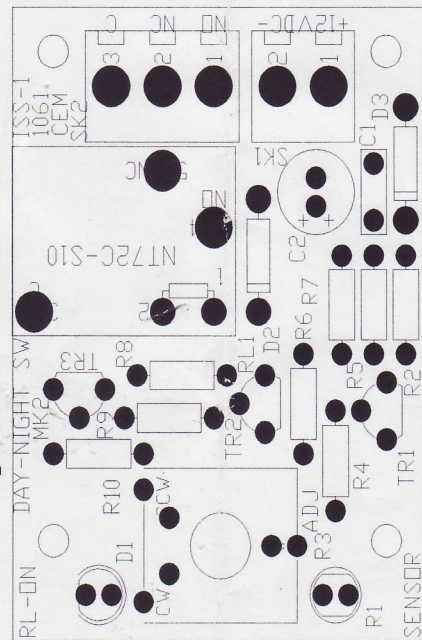


CEM 1061 12V DC DAY/NIGHT SWITCH MARK2 INSTRUCTIONS

This day night sensor is operated on 12V DC (SOLAR USE). The unit is polarity protected and has a controlled output with a set of normally closed or normally open contacts rated at 10A. It also has a sensitivity control. The output is used to enable an external relay for the circuit to be controlled. This relay then controls the required load. R1 is the light sensor and R3 controls the sensitivity. (Externally adjustable)

Below represents the new PCB:



Specifications:

Relay contacts: 10A 250V A/C, 10A 28V DC

(As per relay manufacturer's spec.)

12V DC supply:

Day (relay energized): 32mA (typical)

Night (relay de-energized) 0.9mA (typical)

NO = normally open

C = common terminal

NC = normally closed

SK2-1=NO, SK2-2=C and SK2-3=NC.

DC POWER IS CONNECTED TO SK1 (12V - 14V DC) AND IS POLARITY PROTECTED, IF IT DOES NOT TURN ON THEN SWAP ONLY THESE CONNECTIONS.

CONNECT THE CONTROLLED WIRES TO THE RELAY POINTS ON SK2.

THIS UNIT ONLY WORKS ON DC.

PCB SIZE 84mm x 54mm

HOLE CENTERS 76mm x 46mm

A SUITABLE PLASTIC BOX (POT1W IS AVAILABLE) WILL ACCOMMODATE THE PCB, BUT THE BOX IS NOT WATER RESISTANT.

A suggested mechanical plan is available free from bsandeman@communicaco.co.za upon request.

sales@communicaco.co.za

For more information contact your nearest Communicaco branch.