



schnell

# DC TIMER SWITCH

## PRODUCT OVERVIEW

- ◆ The innovative Real Time Clock - operated switch from Schnell Energy offers precise and user-configurable control over electrical loads, making it an ideal solution for applications like street lighting.



## KEY FEATURES

- ◆ **Real-Time Clock (RTC) Operation:**  
The device operates based on a highly accurate real-time clock.
- ◆ **Automatic Load Control:** Outputs can be toggled on and Off according to user-defined schedule time, ensuring reliable automation.
- ◆ **User-Configurable Settings:** Easily set the ON and OFF times for the output load. One programmable ON and OFF time, for all days.
- ◆ **Resilience:** The RTC runs with battery backup, allowing it to resume normal function after a power failure.
- ◆ **Manual Override:** Specifically useful for operating street lights, with predefined time settings for manual intervention.
- ◆ **High Accuracy:** The clock offers a correction resolution of 1 part per million (ppm), ensuring minimal time drift.
- ◆ **24-Hour Display:** Displays the real-time clock in a clear, easy-to-read 24-hour format.

**Note:** The times are displayed in a 24 [hours and minutes] format. This device is designed for high-precision, reliable operation, making it a valuable tool for automated lighting control and other time-based applications.



## TECHNICAL SPECIFICATION

Parameter	Value
Supply Voltage	+12Vdc
Voltage Tolerance	+12Vdc +/- 0.5Vdc
Power Consumption	300 mw
Input Setting	User-configurable ON/OFF time
Output Function	1 Normally Open (NO) & 1 Normally Closed (NC)
Output Load Handling Capacity	10 mA
LED Indication	Green LED for Relay ON and RED LED for setting mode indication.
Display	3 Digit 7 segment LED Display
Clock Accuracy (Per month)	±9 seconds per month
RTC Battery Life	5 years
Mounting	DIN rail mount
Dimension (LXBXH)	109x45x50 mm
Weight	87 grams
Operating temperature	-10°C to +60°C
Storage temperature	-10°C to +70°C
Humidity	95% (Relative Humidity)

**Application:** Ideal for lighting applications like street lighting

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