



SL1001a

Two-Channel, 365-Day Time Clock



Description

The SL1001a is a two channel 365-day time clock. Each channel allows up to two on and two off periods per day and 12 holidays with a duration of 0-99 days per holiday.

The SL1001a features:

- Stand-alone or network operation
- 365-day time clock w/holiday schedule with automatic leap year and daylight savings correction
- Vanishing holidays option - holidays are cleared from schedule when holiday period ends
- Two independent time clock channels
- No battery backup required
- 32 character LCD display
- Local and remote override capability for each channel
- Access to programming may be locked out or limited with the use of an access code
- Two digital inputs accept signal from photocell or occupancy sensor
- And/or logic allows for unique control situations

Specifications

General

Display: 32-character LCD

Programming: Front panel keypad or EIA RS485 interface

Communications: RS485, half duplex

Memory backup: Non-volatile EEPROM, no battery required

Program setting: 4 events per day with 7 days per week and 1 holiday schedule (12 periods of up to 99 days each) for each channel

Override: Programmable from 0 to 255 minutes

Environmental

Operating temperature: 32 to 131°F (0 to 55°C)

Operating humidity: 0 to 100% RH, non-condensing

Storage temperature: 14 to 140°F (-10 to 60°C)

Electrical

Supply voltage: 24 VAC +/- 20%

Inputs: Two digital (dry contact)

Outputs: Two digital (SPST dry contact, 24 VAC @ 2 A) configurable

Common mode rejection: 100 db @ 60Hz

Power consumption: 5 VA max.

Specifications subject to change without notice.

Specification Suggestions

Microprocessor-based time clock modules shall be of the low voltage type.

Each time clock shall be a 365-day programmable time device with two independently timed circuits. Each circuit shall accept a digital input which can be used with the internal clock to turn the circuit on and off, as specified by its mode. Each clock shall have a manual scheduling keypad and an alphanumeric display of all timing parameters. Timing parameters shall include: month, date, year, day, time, and AM/PM status. Each channel shall have the capacity for programming two on events per day with one minute resolution and twelve assignable holiday periods of up to 99 days each. Each clock shall have automatic standard and daylight savings adjustment, as well as leap year correction. Each clock shall have its schedule and programmed parameters stored in non-volatile memory. Time clock must support non-volatile memory, so that in the event of power loss, all programmed operating parameters shall be unaffected without the use of battery backup. All control functions shall continue in the event of a communications failure.

Communications protocol shall be provided in accordance with EIA RS485 standards. All firmware communications protocol and command codes shall be published, open and non-proprietary. Time clock modules shall be model SL1001a as manufactured by TCS/Basys Controls.

Ordering Information

Part #	Description
SL1001a	Two-channel, 365-day time clock module

SL1001a Accessories

PL Series	Photocell and light sensors
PO Series	Occupancy sensor
PR Series	Encased relays
PS Series	Current switches
PT Series	Control transformers

Dimensions

Note: inches [mm]

SL1001a

