
Technical Support Bulletin

Issued February 12, 2007

ADVICE ON THE DAYLIGHT SAVING TIME SCHEDULE CHANGE

Beginning in 2007, Daylight Saving Time (DST) in the U.S. will be extended by having an earlier change to DST in spring and a delay in switching back to standard time in fall.

For TCS customers with 365-day thermostats and controllers, this means the automatic DST schedule will be incorrect for several weeks unless the time is manually re-set.

Products shipped starting in 2007 with firmware version 1.5 or higher accommodate the new DST schedule.

Customers have the following options to respond to this issue:

(a) Do nothing: Since both the spring and fall weeks where the schedule would be incorrect are in months where temperatures are generally moderate, the impact of scheduled start and stop for HVAC being only one hour off the normal schedule may be minimal. One option is to allow the schedule to be one hour off for a total of four weeks until the time changes automatically.

(b) Disable the automatic DST feature and manually re-set time in controllers: The DST feature can be disabled and clock changed manually through the “clock setup” screens. The clock would have to be reset twice – in spring and in fall. The instructions for doing this in the most popular TCS controllers can be found on the following pages.

(c) Networked controllers can be changed more easily: If controllers are presently being used as stand-alone, now is a time to consider the advantages of networking. Multiple networked controllers can be changed within a few minutes using TCS Ubiquity software. For more information on networking, call Brian Borden 800-288-9383 extension 240.

HOW THE DAYLIGHT SAVING TIME (DST) SCHEDULE FOR 2007 COMPARES TO PREVIOUS YEARS

Start DST

<u>Old Schedule</u>	<u>2007 Schedule</u>
April 1	March 11

End DST

<u>Old Schedule</u>	<u>2007 Schedule</u>
October 28	November 4

The affected time periods will be from March 11 to April 1, when schedule will turn to occupied one hour early and unoccupied one hour early; and October 28 to November 4, when equipment will turn to occupied one hour late and turn unoccupied one hour late.

NOTES ON INSTRUCTIONS

Two sets of instructions are on the following pages. The first covers all Superstat (SZ10XX models) with 365-day clocks and the second applies only to the SL1001a time clock.

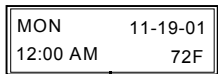
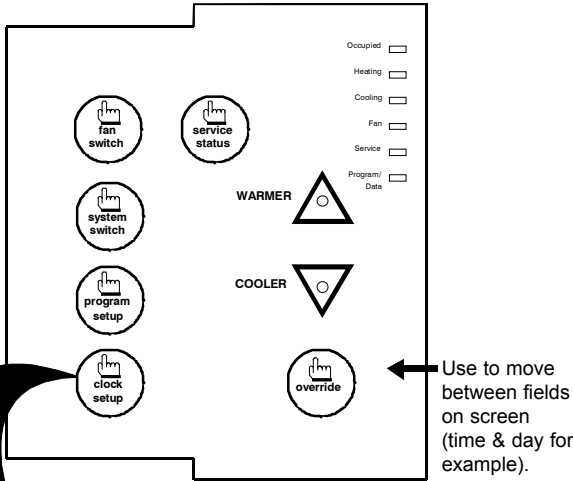
Affected Superstat models are: SZ1031, SZ1033, SZ1035, SZ1041, SZ1051, and SZ1053. Users with the following controllers will require either Rev Pro or Ubiquity to make changes:

- SL2105 and SL2108 lighting controllers
- SZ2161, SZ2165, SZ2166 boiler and chiller controllers
- SZ2181 and SZ2182 AHU controllers

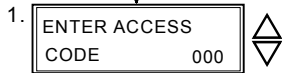
Call 1-800-288-9383 for more information on these products.

SETTING CLOCK & SCHEDULE THROUGH THE KEYPAD

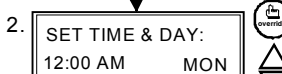
To access the clock and schedule screens, press the clock setup button. To make changes, use the warmer and cooler keys. For screens that have more than one field to set, use the override key to move to the next field. Access may be locked out with dipswitches, or an access code may be required.



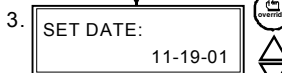
Main Monitoring Screen. Press the clock setup button to access the following screens.



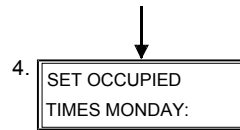
Access Code Entry Screen. May appear if access code is required for setting clock and schedules. 248 is the default. Use down arrow until 248 appears. If the wrong code is entered, it will revert to the previous screen.



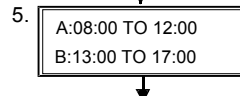
Time and Day Screen. Set time 1 hour forward in spring, 1 hour back in fall.



Date Screen. Set the month, date, and year.

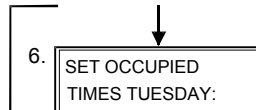


Schedule Announcement Screen. Press clock setup to skip these screens unless a schedule change is being made.

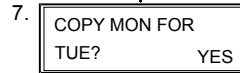


Occupied Times Screen. Set hours and minutes of start and end times for up to two occupied periods. Press clock setup to skip.

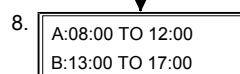
The following screens are repeated for Wednesday, Thursday, Friday, Saturday, Sunday, Holiday #1 & #2.



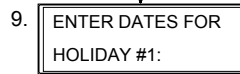
Schedule Announcement Screen. Announces the next screen. The next screens provide an easy way to copy one day's schedule to the next day.



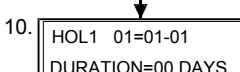
Copy Schedule Screen. Indicate whether or not to use the same schedule that was used for the previous day. If the same schedule is used, the following screen is not displayed.



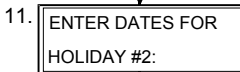
Occupied Times Screen. Set hours or minutes of start and end times for up to two occupied periods.



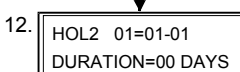
Holiday Announcement Screen. Announces the next screen. Press clock setup to skip.



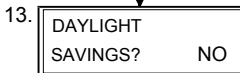
Holidays #1 Screen. Set holiday periods 1 through 12, month, date, and duration for the periods that will follow the holiday #1 schedule. Press clock setup to skip.



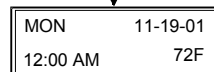
Holiday Announcement Screen. Announces the next screen.



Holidays #2 Screen. No action required.



Daylight Savings Screen. Choose no turn off automatic DST option.



Main Monitoring Screen.

INSTRUCTIONS FOR SL1001A TIME CLOCK

The SL1001a may be programmed through the display and keypad, or with a PC. These instructions cover keypad programming.

For more information on programming through the PC, consult your TCS software manual.

PROGRAMMING THROUGH THE KEYPAD

To access the programming screens, press both the "Scroll" and "Next" keys simultaneously.

Scroll Key - Used to save any changes to the "current" screen and advance to the next screen while programming. The "Scroll" key is used to enter Programming Mode when pressed with the "Next" key.



Next Key - Used to move to the next field of the "current" screen without advancing to the next screen while programming. The "Next" key is used to enter Programming Mode when pressed with the "Scroll" key.



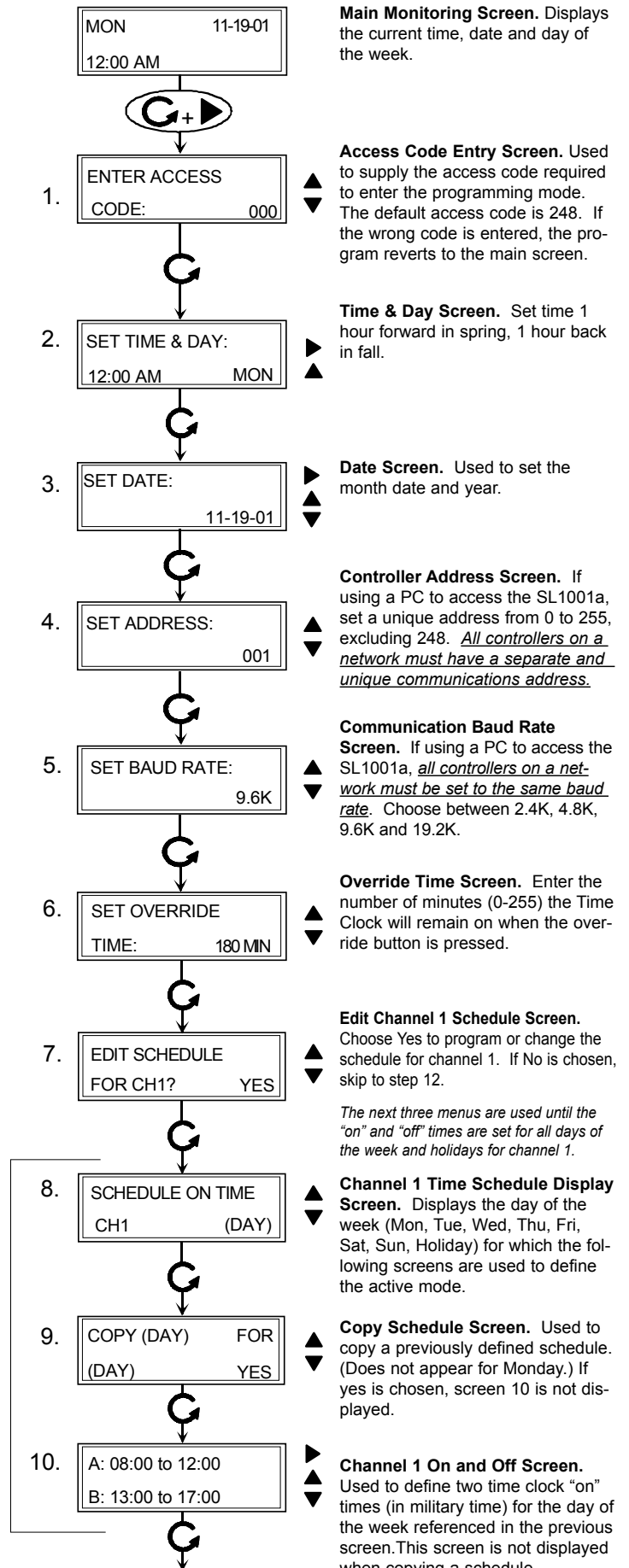
Increment/Decrement Keys - Used to select the desired value or option.

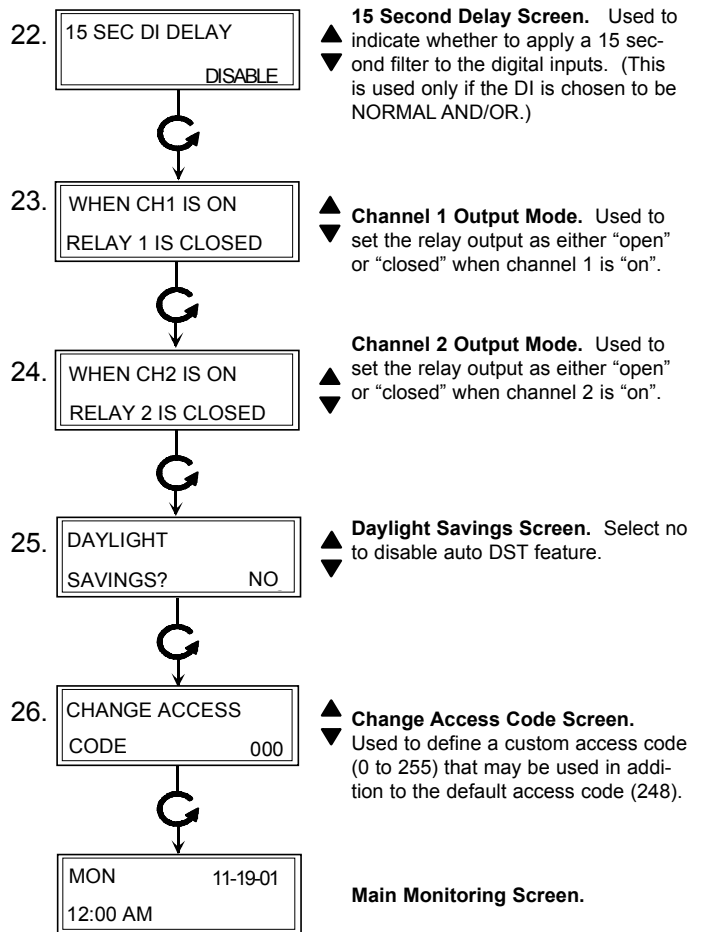
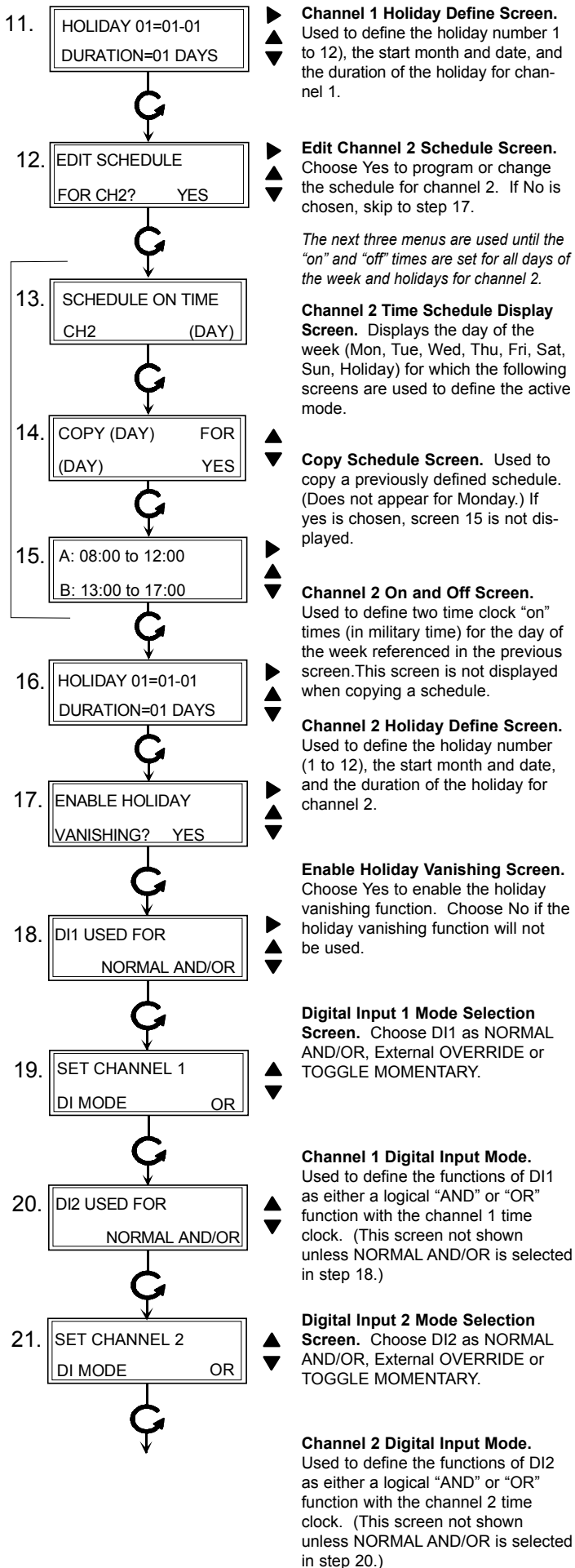


View Key - Used to view the current input and output status'. When in programming mode, it is used to exit programming mode without saving changes to the "current" screen.



Override Keys - Allows a user to turn the channel ON for a predetermined amount of time when the channel is OFF. Pressing it a second time turns the channel OFF again.





Operation

BASIC FUNCTION

The SL1001a is a two-channel 365-day time clock. Each channel is completely independent and has its own relay output, override button and digital input. Relay 1, Digital Input 1 and Override 1 are only used with Channel 1, while Relay 2, Digital Input 2 and Override 2 are only used with Channel 2.

Up to two ON periods per day (MONDAY thru SUNDAY), as well as a day called HOLIDAY, can be programmed for *each* channel. Twelve holiday dates, along with the number of days per holiday, can be programmed. All holiday dates will follow the schedule set for the HOLIDAY day type.

Each channel is either ON or OFF. The relay output can be programmed to be OPEN or CLOSED when the channel is ON. The override button, digital input and time schedule are all used to determine when the channel is ON. In its most basic function, the channel ON and OFF times follow the programmed schedule.