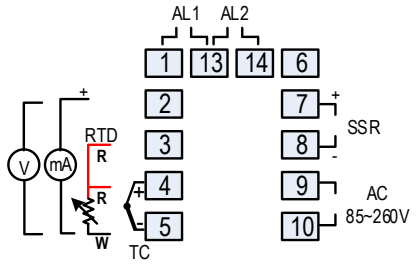
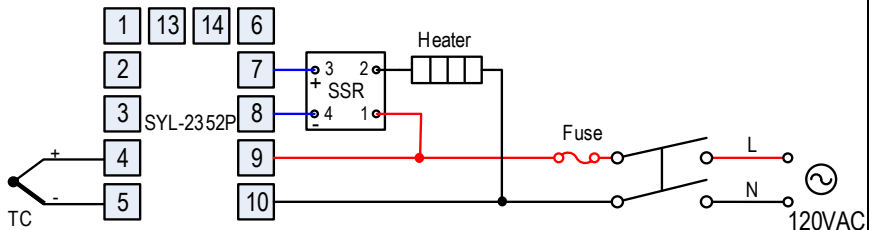
Auber Instruments, Inc
Support Email: info@auberins.com
Text Support: (404) 926-6098

SYL-2352P Full Manual Link & QR Code	SYL-2352P Basic Tutorial Video Link & QR Code	SYL-2352P Ramp Soak Programming Tutorial Video Link & QR Code
https://bit.ly/2352p	https://bit.ly/2352pv1	https://bit.ly/2352pv2

SYL-2352P Terminal Wiring	SYL-2352P Typical Wiring (120V AC System)
	

- **Quick list of the Key Functions for SYL-2352P**

The following list contains a brief description of each key function for when the controller is in basic operation mode.

1) Mode Key (SET)

When pressed momentarily, PV display shows the current step that the program is processing. When pressed again, the PV display shows the set time length of the current step. The SV display shows how long the current step has run in minutes. Press again to have the display return to the basic display mode. The PV shows the process temperature and SV can either show the set temperature or the status of the controller (Stopped, Running, or on Hold).

Pressing and holding the mode key for two seconds will put the controller into parameter setting mode, just like the controllers without the ramp/soak option.

2) Auto/Manual function key (A/M)

Press this key to have the controller enter step setting mode in order to set the time, temperature and action of each step.

3) Decrement key V

Press and hold this key for two seconds to start the processing. The A-M LED will light up. Press and hold again to hold the processing. The A-M LED will flash.

4) Increment key Λ

Press and hold this key for two seconds to stop the processing of the program. A-M LED will turn off.

- **Table: Summary of key functions**

To start the processing	Press V key for 2s
To stop the processing	Press ^ key for 2s
To hold the processing	Press V key for 2s
Check current step	Press SET key briefly
Check run time of current step	Press SET key twice

Go to step X (jump)	Press SET key briefly, then use V or ^ to go to the step, then press SET key to jump
To program the steps	Press A/M key to enter programming mode, then press SET key to go to next step.

- **Frequently asked questions**

1. What is the difference between "Hold" and "Stop"?

Hold does not stop heating. It holds the temperature at the current setting, (or at OutL). **"Stop"** will stop heating. If you Hold the program (V key) and start Run (V key) again, it will start from the step that was put into hold. However, if you Stop the program (Λ key) and start Run (V key) again, it will start from step 1.

2. How do I run this controller as a regular controller without the ramp/ soak function?

Here are two methods.

1) Program a very long step. If you didn't use up all the steps for programming, you can use one of the unused steps for that. For example, assuming step 10 and 11 are unused, set C10=100, C11=100 and t10=9999. This sets Step 10 to control the temperature at 100 degrees for 9,999 minutes. It will remain running StEP 10 until 9999 minutes (7 days) runs out, or until you reset it for another application.

2) Put the program on hold mode. This can be done either by manually pressing the Hold button at the desired temperature, or by programming a hold step (by setting tXX=0).

3. I just want to run the oven at 800 degrees for 120 minutes. When I set C01=800, t01=120, the controller SV first displays 800, then it starts dropping with time. Did I do something wrong?

This is the most common mistake first time users make. Since this is a ramp controller, not a step controller, the time t01 (or tXX) is not the time that controller will stay at C01 (or CXX), it is the ramping time that controller will take from temperature C01 to C02. To hold the temperature constant for 120 minutes, you need to set two steps at the same temperature, or a 0 degree ramp (C02=C03=800 in this case). Then, set the ramping time for 120 minutes. Please check examples in instruction manual.

- **"ORAL" Error Message and troubleshooting**

This is an input error message. Possible reasons: the sensor is not connected/ not connected correctly; the sensor input setting is wrong; or the sensor is defective. In this case, the instrument terminates its control function automatically, and the output value is fixed according to the parameter OUTL. If this happens when using thermocouple sensor, you can short terminal 4 and 5 with a copper wire. If the display shows ambient temperature, the thermocouple is defective. If it still displays "oral", check the input setting, Sn, to make sure it is set to the right thermocouple type. If the Sn setting is correct, the controller is defective.