

Operation Manual



701 ServerSQL

Home Series (H Series) Controller Parameter Setting

Step 1. Target Node: Select Area and Node ID of the specified controller

Step 2. Read: Read the current setting of the specified controller

Step 3. After the communication is successful, you can also modify the Node ID of this access controller in **“New Node ID”** field.

Step 4. Door Relay: Door Relay Time of the access controller, after access identification is successful, controller will trigger the relay to release lock and **how long the lock is being released to indicate door open is determined by Door Relay Time.**

The setting of Door Relay Time is based on what type of electric lock installed onsite. Recommended setting:

1. Fail-Safe type of lock such as Electric Bolt Lock and Magnetic Lock is 15 seconds (recommended to combine with Auto Relock function)
2. Fail-Secure type of lock such as Electric Strike and Cabinet Lock is 0.2 seconds. Default value is 7 seconds.

Pulse setting (short-term release): range 001~600 seconds, if set as 01-0.9seconds enter 601~609

Latch setting (output continuously): enter 000

Step 5. Open too long: or also known as **Door Close Time or Door Open Waiting Time**. After the period of door relay time trigger relay and open the door, the door contact will start detecting the door status; however, sometimes the door is not be closed in time, so the door close time gives users a **buffer time (delay time) to close the door properly before the door contact starts detecting it as Door Open Too Long**.

For example: Default value of door open too long is 15 seconds (default), the door contact will start detecting after Door Relay Time (10 sec) + Door Close Time (15 sec), and the user should close the door properly within the total period (25 sec).

Note: Door Open Too Long will not be acknowledge if activating Auto Relock function, as door will relock immediately whenever door contact detect door is closed.

Default value is 15 seconds.

Step 6. Alarm Relay: When alarm event is triggered, alarm will output continuously for a period of time according to Alarm Relay Time.

Pulse setting (short-term release): range 001~600 seconds, if set as 01-0.9seconds enter 601~609

Latch setting (output continuously): enter 000

Default value is 15 seconds.

Step 7. Armed Delay: After activating Arming mode, access controller enter Arming mode after a period of **Arming Delay Time**, which gives users a buffer time to exit without triggering the alarm.

Default value is 1 second.

Step 8. Alarm Delay: Before Alarm Event is triggered, there is a **set of time period between conditions that triggered the alarm and the alarming event which is called Alarm Delay Time**. Alarm Delay Time gives users a buffer time to turn off the alarm before the beeper is sounding or an alarm signal is sent to the security guards.

Default value is 1 second.

Step 9. Edit Pwd: Master Code or Programming Code of the Access Controller can be changed from this field.

Default Master Code is 123456.

Step 10. Armed Pwd: There are three method to enabling Arming Mode 1. Enter

programming mode and exit programming mode by entering **# 2. Swipe Master Range card 3. **Enter Arming Password.**

To enter the Arming Password there are two procedures:

1. Normal door open procedure + 4-digit Arming PWD + #
2. Without opening the door + 4-digit Arming PWD + Presenting a valid card

Default Arming Password is 1234.

Step 11. Door Nr.: Each door number of the controller can be changed according to the corresponding area or door number assigned. Access control system managed by PC will show specific door number on entry or exit record. Door number can be repeated and used in the same area but corresponding to the area and door itself. Default value is 1.

Step 12. Enable Force Alarm: In the event that any door is opened without normal access like presenting a valid card from the outside or pressing the RTE button from the inside, it will cause a Force Open condition. This situation will **trigger the Force Open Alarm if the access controller is under Arming mode.**

Step 13. Enable Antipassback: If there is an external WG reader connected to this access controller, you can tick this option to enable the anti-passback rule.

Step 14. Is Entry Door: Determine door is exit or entry
 If selecting controller for entry, check the 'Is Entry Door' box
 If selecting controller for exit, do not check 'Is Entry Door' box, just left it unchecked

Step 15. Enable Push to Exit: Enable or disable exit door by Egress Button.
 Default value is enabling for both Main and WG.

Step 16. Egress Beep Sounds: Enable or disable beeper sound when Egress is pressed.
 Default value is enabling for both Main and WG.

Step 17. Enable Auto Relock: The electric lock will be only lockable after the period

of Door Relay Time, so there might be a gap between closing the door and the door being actually locked. By **enabling the Auto Relock function which will let the door relock immediately whenever detecting the door is closed by the door contact**. This setting is suggested for fail-safe lock installation such as electric bolt and magnetic lock.

Step 18. Close Stop Alarm: There are three options to stop alarming event 1. Swipe valid card 2. Press egress button 3. Close door

When Close Stop Alarm function is checked, alarming event will stopped when door is closed or pressing egress button.

When this option is remain unchecked, alarming event will only stop when valid card is presented.

Default value is unchecked means alarm event will only stop when swiping valid card.

Step 19. Enable Free Zone: This option is to enable or disable auto open zone (Timezone 63) function. Meanwhile, Auto open time zone setting refer to Step 43.

Complete method of **Auto Open Zone Setting:**

E Series Controller → <https://www.soyal.com/faq.php?act=view&id=687>

H Series Controller → <https://www.soyal.com/faq.php?act=view&id=686>

Step 20. Free Zone Open Imm.: There are two ways to enable auto open timezone (Timezone 63):

1. When Auto-Time Zone begin, the door will be automatically open without presenting 1st valid Card.
2. **When Auto-Time Zone begin, the door don't automatically be opening till any one authorized user present a valid card to controller to open the door (Default Value)**

By enabling this function, it will enable auto open zoon when time has come.

Step 21. Is Duty Reader: Set controller and reader into Time Attendance device, when this option is checked, the event logs recorded will be integrated to the Time Attendance Report.

Default value is enabling for both Main and WG.

Step 22. Door Open for Any Tag: Used for short-term activities or temporary events which enable door open whenever a card with the same frequency of the access controller is presented.

Step 23. Duress Code: In case an assailant or robber ambush at the entrance and force you to open the door or disarm the system, try to keep calm and input Duress code to open the door, which will simultaneously send a silent alert to the monitoring station or security guards.
Default value: 0 (not set)

Step 24: Ev5 WG out / Hv3 Lift out: For E Series controller, check this option will enable controller **converted into a reader function** (convert duress and arming output into WG Mode WG0 Output and WG1 Output), for H series controller this check this function will **enable lift control function** (convert the alarm output terminal into lift control function)

Step 25. Master Range: Range of Master(Administration) user address to be set. Master user has authority to enter programming mode by swipe card + press #. For example if entering 1-5 means set user range 1-5 as Master/Admin.

Step 26. Card or PIN Access Mode: SOYAL offer three options of access mode

- **Address + PIN Code (M4):** Access by entering user address + PIN
 - **PIN Code Only (M8):** Access by entering PIN only (Default)
- M6: Standalone only, this option is not available for networking thus this option is not available in Software setting.