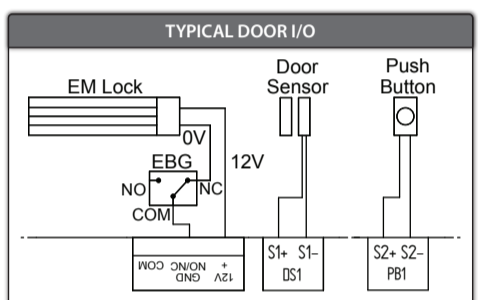
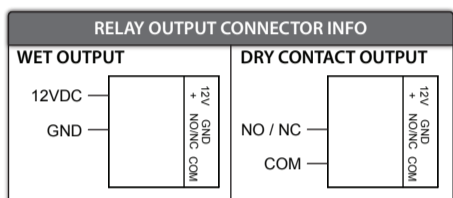
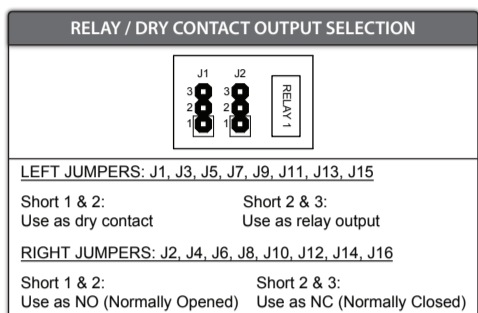
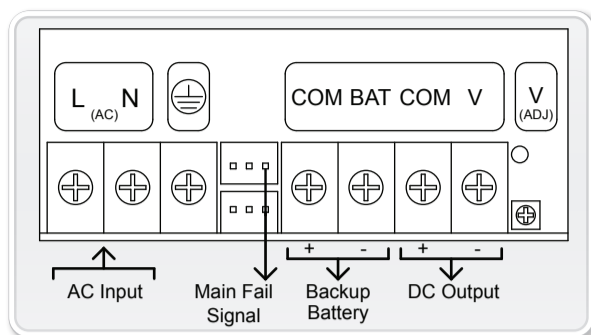


Power Supply



Output Power Terminal for External Board (e.g.: Extension Board, I/O Controller, RS485 Uplink, Reader Interface Unit, RS485 Reader)

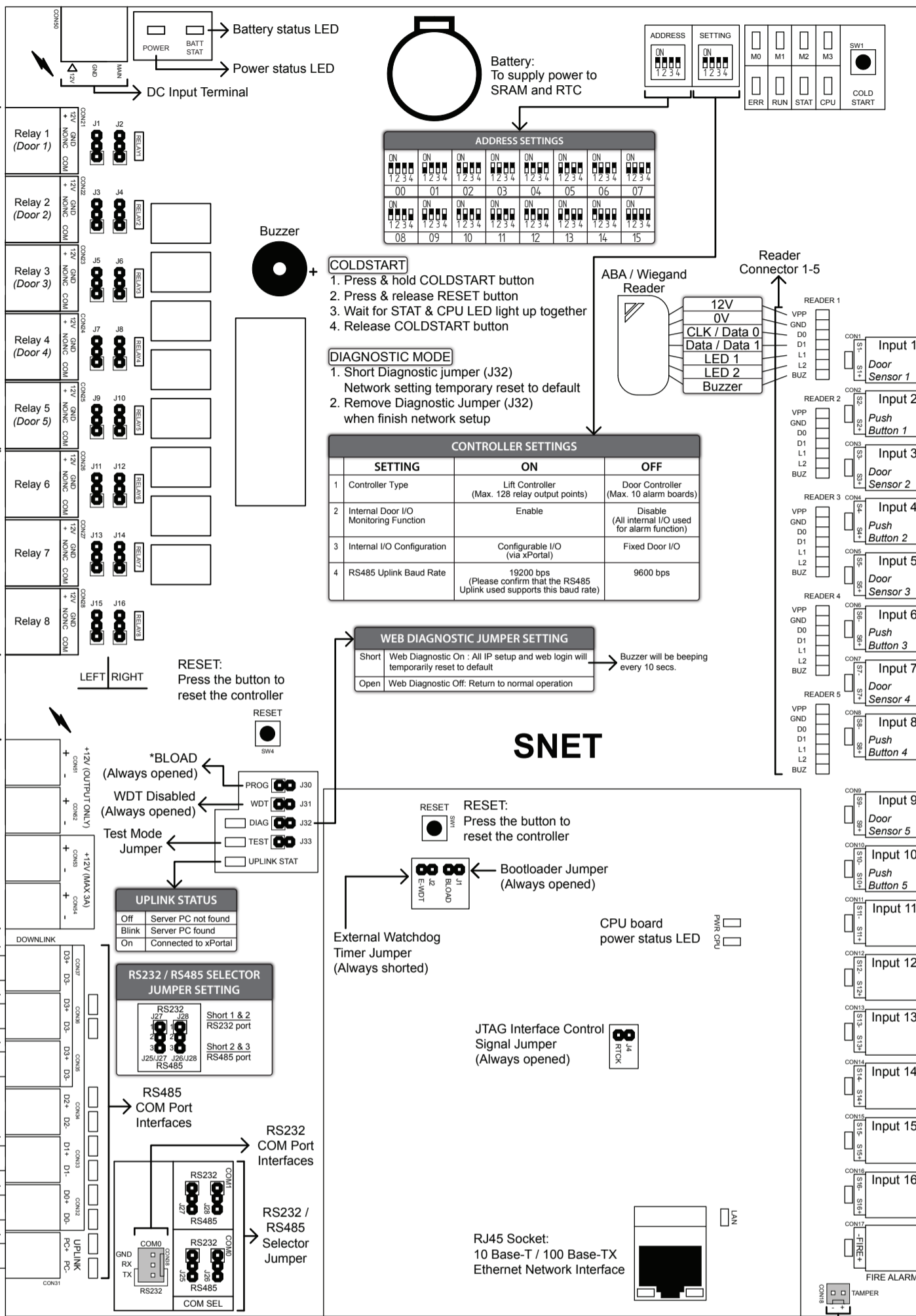
Note: 3A Fuse Protection for CON53 & CON54

RS485 INTERFACES CAPACITY

Extension Board & I/O Controller
a) Door (5 Doors) SNet-E5D
b) Lift (Max. 128 Outputs) SNet-E32R
c) Alarm (Max. 10 Boards) SNet-E32R, SNet-E32S, SNet-E248S MIO-L32, MIO-S168, MIO-R16
Reader Interface Unit MK800 / MK801
Reader (RS485) MicroEngine Readers

Note: SNet supports total of 10 units of reader interfaces together with RS485 readers.

Board Information & Wiring Diagram



Controller Web Diagnostic

- Pre-Configuration**
Connect network cable to RJ45 socket. Note: SNet controller supports both direct and crossover cables.
- ColdStart**
SNet's default setting after ColdStart: Host IP = 192.168.1.200, Ethernet IP = 192.168.1.210
- Login to Controller Web Diagnostic**
Open Internet Explorer browser > Type http://192.168.1.210 in the address box > Key in 'admin' for username > Key in 'password10' for password.
- Monitoring System Status**
Click System Info > Monitor system status (Server Status, Main Power Status, Tamper Status, Fire Alarm Status, Controller ID, DIPS Setting (HEX), RS485 Reader Status)

- Configuring Network Setting**
Click Network Setting > Refer to the table below for detailed descriptions > Perform necessary changes > Click Save Setting.
***Note:** After changing Ethernet IP, the Web Diagnostic of the controller will only accessible through the new customised Ethernet IP.
 - Checking Device Info**
Click Device Info > Confirm Date Time, Device Version, Description, Internal ID, Date Time Released, Date Time Loaded, Boot Loader Version & Board Serial No.
 - Changing Login Details**
Click Configuration > Enter new username > Enter new password > Retype new password > Click Confirm Change Password.
 - Resetting Controller**
Click Configuration > Click Confirm Reset.
 - Log Out from Web Diagnostic**
Click Log Out > Log Out message will be displayed.
- | FIELD | DESCRIPTION |
|---------------------------------------|---|
| Host IP | IP address of server PC
Default: 192.168.1.200 |
| Ethernet IP | IP address of controller
Default: 192.168.1.210 |
| Ethernet Subnet | Subnet mask of the controller network setting
Default: 255.255.255.0 |
| Ethernet Gateway | Gateway of the controller network setting
Default: 192.168.1.1 |
| Ethernet Pri DNS | Primary DNS setting |
| Ethernet Sec DNS | Secondary DNS setting |
| MAC Address | MAC address of controller |
| Enhanced Network Encryption (AES 128) | Network encryption setting of controller
Note: In order to use AES 128, please ensure that this is available in the application. |

LED Diagnostic

CASE	LED			
	RED	GREEN	YELLOW	BLUE
Before Application Execute	Off	On	On	On
Hardware Initialization	Off	Off	Off	Off
Memory Error Detected	On	Continues blinking	Continues blinking	-
Firmware Checking / Status Update	Off	Off	On	Off
Erase Firmware	Off	Off	On	On
Erase Error Detected	On	Continues blinking	Blink x 1 (3 sec. interval)	-
Update Firmware	Off	Off	Continues blinking	Off
Update Error Detected	On	Continues blinking	Blink x 2 (3 sec. interval)	-
Verify Firmware	Off	Off	Off	Continues blinking
Verify Error Detected	On	Continues blinking	Blink x 3 (3 sec. interval)	-
Loading Application	Off	On	Off	On
No Application Detected	Blue, Yellow, Green, and Red blink sequentially			
Normal Operation	Off	Continues blinking	-	Continues blinking (1 sec. interval)
Normal Operation (Busy)	Off	Continues blinking (slowly)	-	Continues blinking (1 sec. interval)

CASE	LED			
	RED	GREEN	YELLOW	BLUE
Memory Error Detected	On	Continues blinking	Continues blinking	-
Erase Error Detected	On	Continues blinking	Blink x 1 (3 sec. interval)	-
Update Error Detected	On	Continues blinking	Blink x 2 (3 sec. interval)	-
Verify Error Detected	On	Continues blinking	Blink x 3 (3 sec. interval)	-
No Application Detected	Blue, Yellow, Green, and Red blink sequentially			
No Server Connection	Please refer to UPLINK STAT LED			
Fire Alarm Trigger	Off	Off	Off	Continues blinking (1 sec. interval)
Setup Mode	Continues blinking	Continues blinking	-	Continues blinking (1 sec. interval)
Web Diagnostic On	Buzzer beeps every 10 secs.			
Door Forced Open, Door Left Open, Tamper Triggered, Main Power Fail	Buzzer beeps once			