S-Series Controller Configuration

LED Tx1 and LED Rx1
Indicating the communication
status between PCI and Controller.

LED Tx2 and LED Rx2 (Door 1 - Door 4)
Indicating the communication
status between reader interface
and controller.

LED Tx3 and LED Rx3 (Door 5 - Door 8)
Indicating the communication
status between reader interface
and controller.

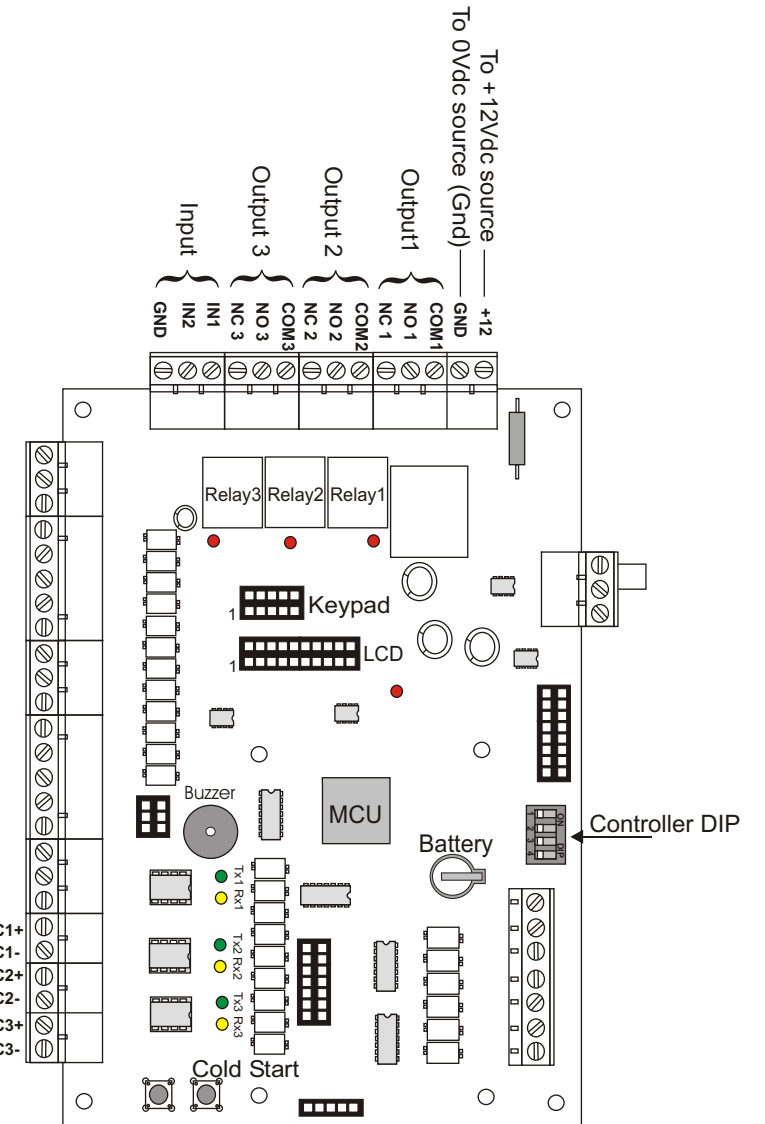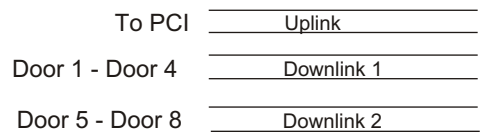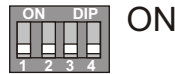**(For normal operating condition- all LEDs will blinking)**

CONTROLLER DIP SWITCH SETTING

CTRL / DIP SWITCH	1	2	3	4	ADD	CTRL / DIP SWITCH	1	2	3	4	ADD
CONTROLLER 1	OFF	OFF	OFF	OFF	00	CONTROLLER 9	OFF	OFF	OFF	ON	08
CONTROLLER 2	ON	OFF	OFF	OFF	01	CONTROLLER 10	ON	OFF	OFF	ON	09
CONTROLLER 3	OFF	ON	OFF	OFF	02	CONTROLLER 11	OFF	ON	OFF	ON	10
CONTROLLER 4	ON	ON	OFF	OFF	03	CONTROLLER 12	ON	ON	OFF	ON	11
CONTROLLER 5	OFF	OFF	ON	OFF	04	CONTROLLER 13	OFF	OFF	ON	ON	12
CONTROLLER 6	ON	OFF	ON	OFF	05	CONTROLLER 14	ON	OFF	ON	ON	13
CONTROLLER 7	OFF	ON	ON	OFF	06	CONTROLLER 15	OFF	ON	ON	ON	14
CONTROLLER 8	ON	ON	ON	OFF	07	CONTROLLER 16	ON	ON	ON	ON	15

Figure 1 : Controller DIP switch setting

Controller DIP Setting

ON DIP ON

CONTROLLER OUTPUT & INPUT

CTRL / Relay	OUTPUT 1	OUTPUT 2	IN 1	IN 2	IN 3	IN 4
Commando 8s	General Purpose	Auxiliary	Fire Alarm	–	–	–

Figure 2: Output & Input

To PCI — Uplink — C1+ / C1-
Door 1 - Door 4 — Downlink 1 — C2+ / C2-
Door 5 - Door 8 — Downlink 2 — C3+ / C3-

Cold Start

Controller DIP

Battery

MCU

Buzzer

Keypad

LCD

Relay3 Relay2 Relay1

Tx1 Rx1 / Tx2 Rx2 / Tx3 Rx3

Input: GND IN2 IN1
Output 3: NC 3 NO 3 COM3
Output 2: NC 2 NO 2 COM2
Output1: NC 1 NO 1 COM1
GND +12

To + 12Vdc source
To 0Vdc source (Gnd)

Remarks:

- After installation, please perform 'Cold Start' procedure. Press and hold Cold Start button for 6 seconds to perform Cold Start procedure.

- For single controller, DIP switch need to be set to address '00'.

- For multiple controller, please refer to figure 1 for address setting.

- Controller address should not be set the same to avoid data corruption.

- All communication cable must be compliance RS485 standard, with proper grounding & connected in multidrop connection.

*All specification subject to change without prior notice.