

ES-Series Controller Configuration

LED 8 and LED 9

Indicating the communication status between PCI and Controller.

LED 12 and LED 13 (Door 1 - Door 4)

Indicating the communication status between reader interface and controller.

LED 14 and LED 15 (Door 5 - Door 8)

Indicating the communication status between reader interface and controller.

LED 4 and LED 5 (Door 9 - Door 12)

Indicating the communication status between reader interface and controller.

LED 6 and LED 7 (Door 13 - Door 16)

Indicating the communication status between reader interface and controller.

(For normal operating condition- all LEDs will blinking)

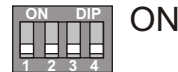
| CONTROLLER DIP SWITCH SETTING | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-------------------|-----|-----|-----|----|-----|
| CTRL / DIP SWITCH | 1 | 2 | 3 | 4 | ADD | CTRL / DIP SWITCH | 1 | 2 | 3 | 4 | ADD |
| CONTROLLER 1 | OFF | OFF | OFF | OFF | 00 | 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 OUTPUT & INPUT | | | | | | |
|---------------------------|-----------------|-----------|------|------|------|------------|
| CONTROLLER | OUTPUT 1 | OUTPUT 2 | IN 1 | IN 2 | IN 3 | IN 4 |
| ES-Series | General Purpose | Auxiliary | - | - | - | Fire Alarm |

Figure 2: Output & Input

Controller DIP Setting



ON

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

To PCI Uplink

Door 1 - Door 4 Downlink 1

Door 5 - Door 8 Downlink 2

Door 9 - Door 12 Downlink 3

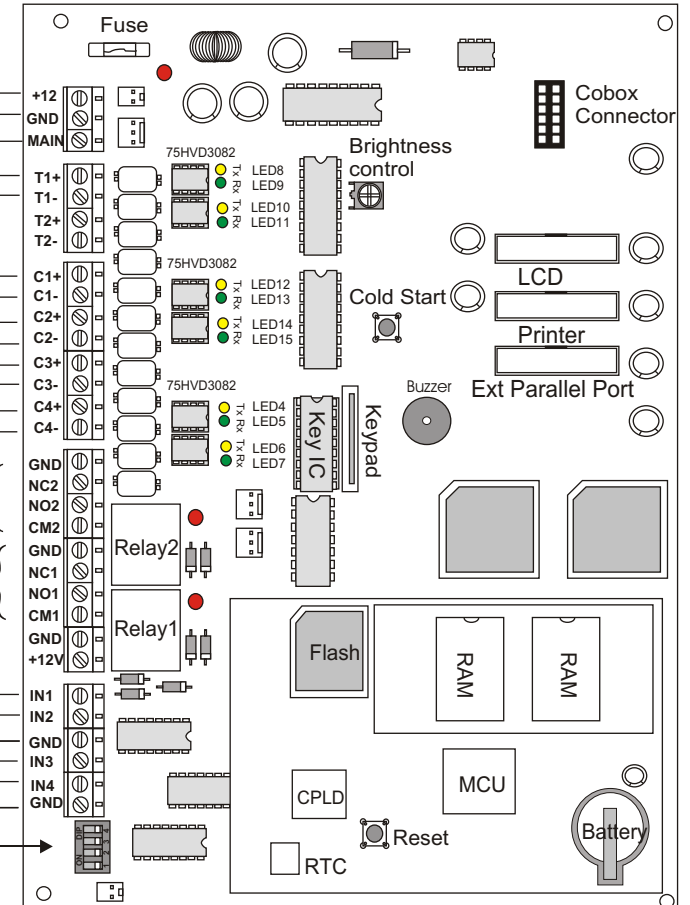
Door 13 - Door 16 Downlink 4

Output 2

Output 1

Input

Controller DIP



Remarks:

- After installation, please perform 'Cold Start' procedure. Please refer to controller manual for proper 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 input point must be ground with a 3.6K ohm resistor.
- All communication cable must be compliance to RS485 standard, with proper grounding & connected in multidrop connection.

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|---------|-------------------------|
| File | ES CTRL v1.2 |
| Date | 200509 |
| Company | Cass Technology Sdn Bhd |