ES Car Park Controller Configuration

LED 8 and LED 9 Ο 0 Fuse Indicating the communication status between PCI and Controller. LED 12 and LED 13 (Barrier 1 - Barrier 4) To +12Vdc source Cobox 0-:0 +12 Indicating the communication To 0Vdc source (Gnd) Connector GND status between reader interface ©ŀ To +12Vdc source and controller. MAIN ◎ -Brightness 75HVD3082 \bigcirc control J S Z LED8 Z LED9 LED 14 and LED 15 (Barrier 5 - Barrier 8) T1+ To PCI Uplink }⊕ Indicating the communication T1- \otimes O⊀ LED10 status between reader interface T2+ ● 7 LED11 and controller. \bigcirc T2-0 l-Q LED 4 and LED 5 (Barrier 9 - Barrier 12) 75HVD3082 C1+ LCD Indicating the communication Downlink 1 O 🚽 LED12 Barrier 1 - Barrier 4 C1-Cold Start 🔘 \otimes status between reader interface 🖲 균 LED13 🖁 and controller. C2+ O I LED14 Downlink 2 Printer Barrier 5 - Barrier 8 C2-۵ŀ LED 6 and LED 7 (Barrier 13 - Barrier 16) C3+ M Indicating the communication Barrier 9 - Barrier 12 Downlink 3 C3-75HVD3082 Buzzer Ext Parallel Port status between reader interface and controller. C4+ O → LED4 Keypad Barrier 13 - Barrier 16 Downlink 4 🗴 🖉 LED5 Key C4-Φŀ (For normal operating condition- all LEDs will blinking) O X LED6 GND 0 NC2 Output 2 :[NO2 $^{()}$ CONTROLLER DIP SWITCH SETTING **Controller DIP Setting** CM2 ۳ :[Relay2 GND 0 CTRL / DIP SWITCH 1 2 3 4 ADD CTRL / DIP SWITCH 1 2 3 4 ADD **CONTROLLER 1** OFF OFF OFF 0FF 00 OFF OFF OFF ON 08 NC1 ٥ŀ **CONTROLLER 9** ON Output1 ON OFF OFF OFF 01 ON OFF OFF ON 09 **CONTROLLER 2 CONTROLLER 10** NO1 **CONTROLLER 3** OFF ON OFF OFF 02 **CONTROLLER 11** OFF ON OFF ON 10 см1 GND GND ■ Relay1 CM1 ON ON OFF ON 11 **CONTROLLER 4** ON ON OFF OFF 03 **CONTROLLER 12 CONTROLLER 5** OFF OFF ON OFF 04 **CONTROLLER 13** OFF OFF ON ON 12 Flash +12V 🔘 🗆 RAM RAM **CONTROLLER 6** ON OFF ON OFF 05 **CONTROLLER 14** ON OFF ON ON 13 CONTROLLER 7 **CONTROLLER 15** OFF ON ON OFF 06 OFF ON ON ON 14 IN1 0-**CONTROLLER 16** ON ON ON ON 15 **CONTROLLER 8** ON ON ON OFF 07 3.6k 3.6k ۵. IN2 GND 0 Figure 1 : Controller DIP switch setting Input IN3 | ⊗ = 3.6k 3.6k O MCU IN4 D CPLD GND SI **CONTROLLER OUTPUT & INPUT** CONTROLLER OUTPUT 1 OUTPUT 2 IN 1 IN 3 IN 4 Reset Battery IN 2 Controller DIP RTC ES-Series _ Auxiliary _ _ Fire Alarm Ο 20

Figure 2: Output & Input

 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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*All specification subject to change without prior notice.