



DoorEntryOnline.co.uk
SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS
info@doorentryonline.co.uk



Network Access Controller

- 2001.net TCP/IP single door controller
- 2002.net TCP/IP two door controller

Four typical features and advantages of circuit design and two system options

Real-time monitoring and remote control functions: Can real-time monitor all doors status, alarm status and access situation, real-time display personnel information and photographs; online remote door open, force the door to be normal open or normal close status; allow user to adjust the delay time and can match with the TCP / IP communication module to achieve remote control within the LAN and the Internet

Powerful personalized access control privilege management: 255 personalized time profile control, you can define an individual who can enter some of doors within specified months, days, weeks or hours etc. You can quickly and easily report the loss to enable or disable a certain number of cards or card. you can set the scheduled opening hours from time to time

Mass storage and anti-power-down protection structures for data: You can store 20,000 offline registration card management privilege, 100,000 records, using non-volatile flash memory chip set, the data is not lost after the power failure

Anti-static anti-lightning surge and anti-wrong Circuit connection Design: pass the international standards, 4000V 50 consecutive times imitation lightning discharge tests and pass the EMI (electromagnetic interference) and the electrical performance of quality inspection



DoorEntryOnline.co.uk
SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS
info@doorentryonline.co.uk



Cabling, installation and general advice

[Cabling, installation and general schematic](#)

[System schematic](#)

The cable from card reader to controller: 8 core shielded multi-strand twisted-pair cable with at least 0.3mm diameter. Maximum distance can not be more than 100mtrs

The cable from exit button to controller: 2 core with at least 0.3mm diameter

The cable from lock device to controller: 2 core for power of at least 1.0mm diameter
Suggested within 50mtrs, the longest distance must not be more than 100mtrs

Installation:

Installation and commissioning should be undertaken by either of the following:

1. A proven and experienced access control engineer
2. A proven and experienced IT engineer

All cables should be installed within PVC or Galvanized conduits or PVC trunking and certainly not installed near 220v mains cables

Although the controller has a good leak-proof anti-static electricity lightning design, the power supply cabinet must be connected to ground earth

Do not attempt removal or replacement of the controller chips, non-professional operation will lead to control damage and invalidate warranty

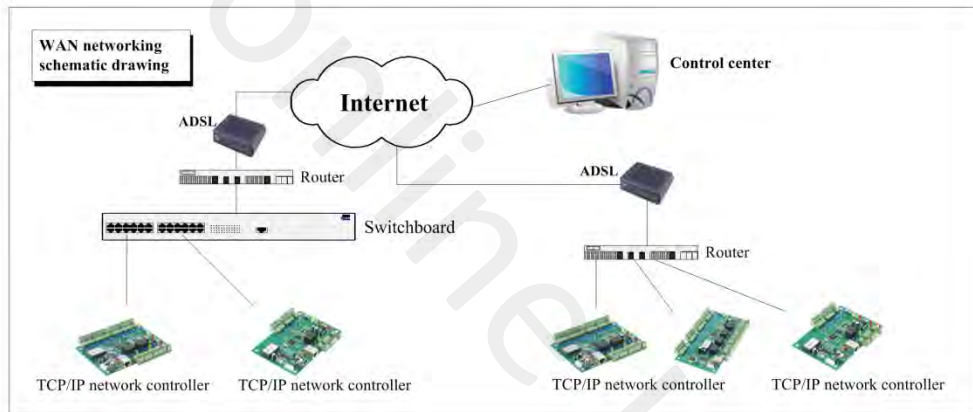
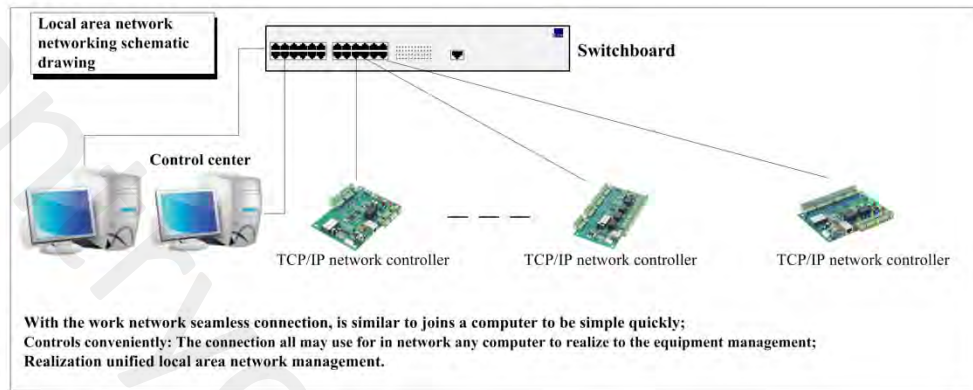
Do not connect the controllers and other high current devices to the same power outlet



System schematic

Cabling, installation and general schematic

System schematic



Matters needing attention:

- Although the controller has good guards against the static electricity anti-radar, strikes, guards against the leakage design, but guarantees the alternating current grounding and the controller engine case good connection by all means must, also real earth.
- Reads the card, the button installment altitude is apart from the ground 1.45 meters, may carry on the appropriate readjustment according to the actual need.
- All non- conventional operation, please by all means must first links up with our engineer. Meets the controller and other big electric current equipment on the identical power supply plug.
- The controller suggested installs and so on is advantageous for the service in the weak electric-pump well



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



2001.net TCP/IP single door controller

2001.net TCP/IP single door controller

2002.net TCP/IP two door controller

Parameter index:

PCB board size: 160mm x 106mm

Case Size: 273mm x 228mm x 65mm

Power supply: 12V DC 4A – 220v

Circuit board power consumption: less than 100mA

Reader Input Format: Wiegand 26 (compatible with all readers under the agreement, such as Motorola, HID, EM, Mifare one, etc.).

Communication: TCP/IP 10M/100M self adaptive

Function Description: can control two doors, enter via card swiping and exit via card swiping or exit button

Quantity of reader: 2 (1 in, 1 out)

Output relay: 1 (N/O, C, NC contacts)

Open delay time: 1-600 seconds adjustable

Maximum number of controllers: Unlimited

Operating temperature: -40 to 70 degrees Celsius

Run Humidity: 10-90% RH, non-condensing

Signal output communication format and baud rate: Support LAN, Intranet, fixed Internet WAN IP address.

Maximum number of users: 20,000 cards permissions

Offline storage: 100,000 records

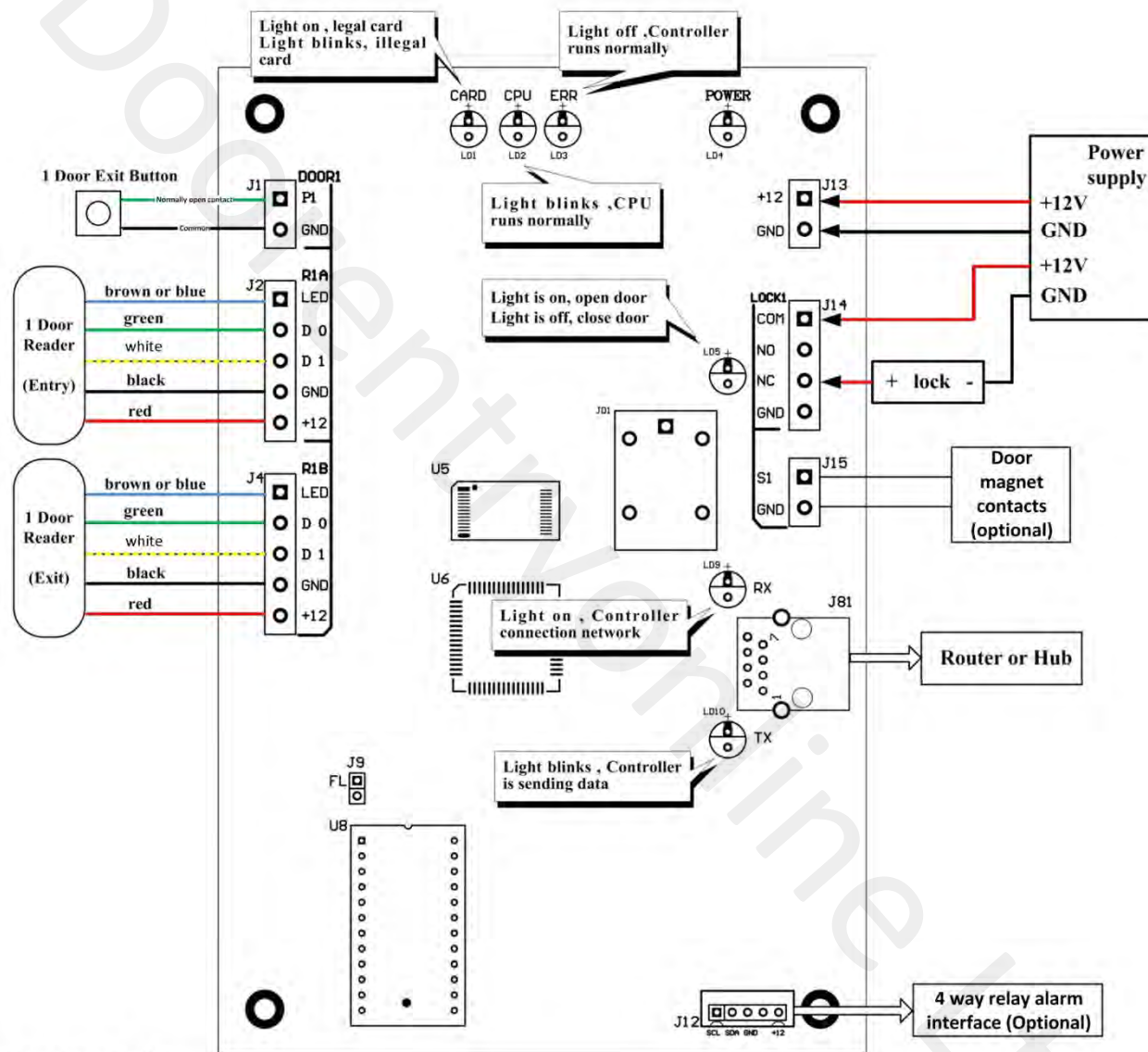
Power failure protection measures: high-speed flash memory design, and never lose data

Maximum distance between card reader and the controller: 100mtr, typical operation within 80mtr

Maximum distance for the bus line: Depends on the network cover area

Maximum distance between controller to the PC: No limit





Important note:

Exit button connections required are "push to make" (Common & normally open)

Lock device must be set to 12v dc



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



2002.net TCP/IP two door controller

2002.net TCP/IP two door controller

Parameter index:

PCB board size: 160mm x 106mm

Case Size: 273mm x 228mm x 65mm

Power supply: 12V DC 4A – 220v

Circuit board power consumption: less than 100mA

Reader Input Format: Wiegand 26 (compatible with all readers under the agreement, such as Motorola, HID, EM, Mifare one, etc.).

Communication: TCP/IP 10M/100M self adaptive

Function Description: can control two doors, enter via card swiping and exit via card swiping or exit button

Quantity of readers: 4 (2 in, 2 out)

Output relay: 2 (N/O, C, NC contacts)

Open delay time: 1-600 seconds adjustable

Maximum number of controllers: Unlimited

Operating temperature: -40 to 70 degrees Celsius

Run Humidity: 10-90% RH, non-condensing

Signal output communication format and baud rate: Support LAN, Intranet, fixed Internet WAN IP address.

Maximum number of users: 20,000 cards permissions

Offline storage: 100,000 records

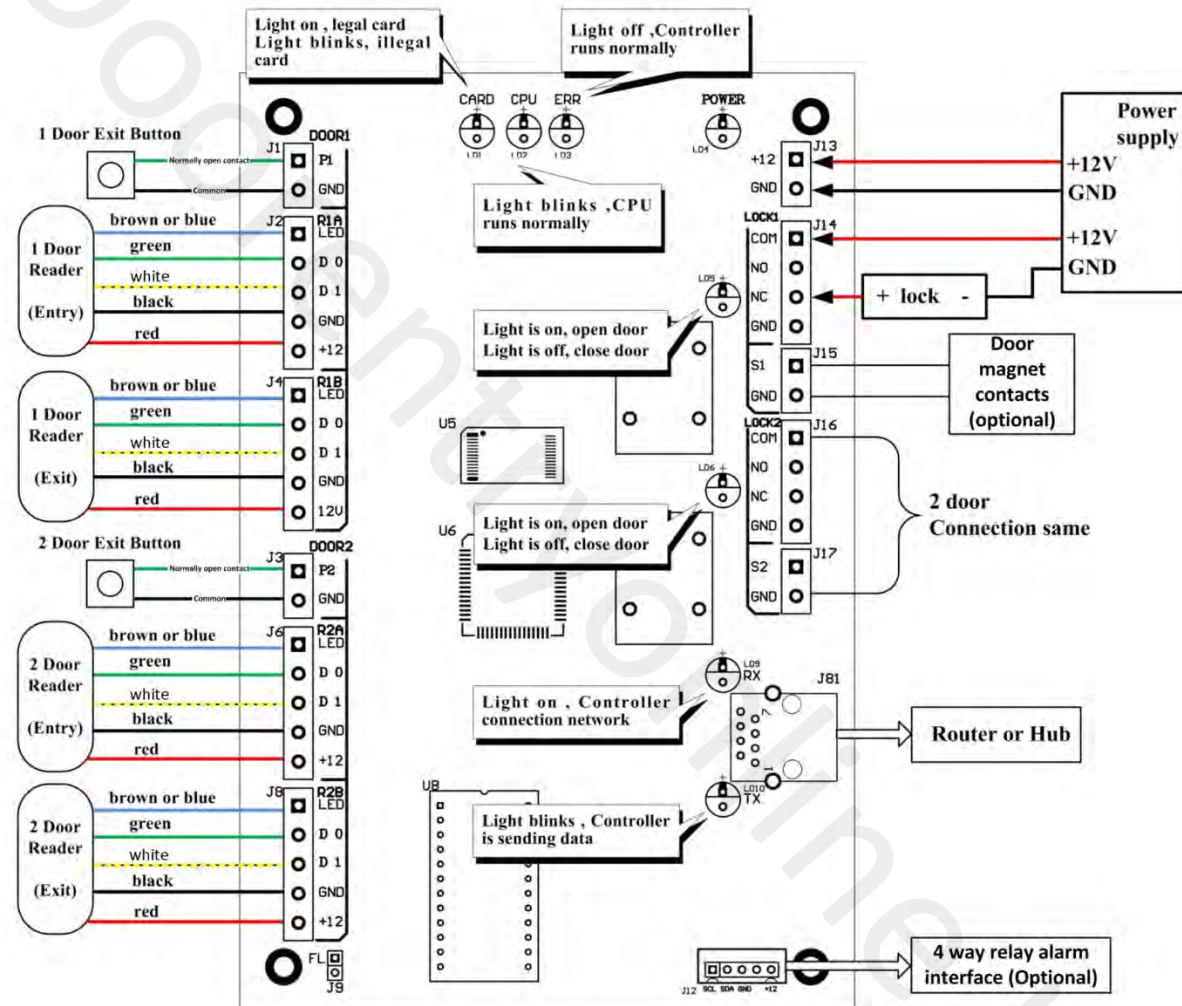
Power failure protection measures: high-speed flash memory design, and never lose data

Maximum distance between card reader and the controller: 100mtr, typical operation within 80mtr

Maximum distance for the bus line: Depends on the network cover area

Maximum distance between controller to the PC: No limit





Important note:
Exit button connections required are "push to make" (Common & normally open)
Lock device must be set to 12v dc

**Double gate
bidirectional network controller**



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



System software

- Basic system functions
- System extension function
- Time attendance
- Online patrol
- Fixed rate dining
- Combination of advance and compatibility (can be used on Windows 2000 NT, XP, Vista and Windows 7 operating system).
Multi language (user can shift the software language from simple Chinese, traditional Chinese and English freely. We also provide a translation tool with which you can translate the software into your local language).
- Multi common stable communication way (RS232, RS485 or TCP/IP)
- Safe "Easy-style" upgrade mode
- Volume Settings "allows customers to use the system more efficiently
- "WYSIWYG" Customizable report query, export to Excel, and print mode
- Interactive user-friendly software interface
- Detailed operation log
- "Multi-User Manager" feature
Real-time prompts by color and sound
- Interface locking
- Specified card reader to privileged card
- Data inheritability after card loss report
- The controller turns to start
- Long holiday
- Shield for no use function and interface





Basic functions

Basic system functions

System extension function

Time attendance

Online patrol

Fixed rate dining



Basic Function
• 20,000 cards Permissions
• 100,000 offline records
• Flexible privilege management
• Time privilege management
• Offline operation
• Real time monitor, photo display, door status display
• Real time extraction
• Force to close and open door
• Remote open
• Interface locking
• Time span linkage
• Small amount privilege individual revision and uploading
• Quick search of people inside doors
• Quick location of people

Expanded Function
• Card+password
• Open door by manually input of card number + password
• Super password
• Fire alarm and emergency unlock
• Linkage output
• Illegal intrusion alarm
• Alarm for long time door open
• Duress alarm
• Alarm for invalid card swipe
• Anti passback, anti tail
• Interlock
• Timing normal open, timing normal close
• Record for unlock by button
• Timing extraction
• Timing uploading
• Can swift to community management interface directly
• Emergency close
• Operator sub-sector management
• Video access control(photo take and video take when the read the card)
• Electronic map
• Open and close door by read card
• First card open door



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



Time attendance

Basic system functions

System extension function

Time attendance

Online patrol

Fixed rate dining

*Reports can be exported daily or during certain periods of detailed attendance statistical reports. Report formats can be defined. Statements can be exported to an Excel file and can be easily checked by sub-sectors or situation or individual

*Detailed daily attendance reports can display the working hours, whether a late arrival or early departure is made and how long for the late arrival or early departure

*Statistical reports can show you not only the times of late arrival/early departure, but also the number of minutes accumulated of late arrival/early departure. And also it can show you the number of days absent from work, times of clocking, times of leaving and so on. Statistical reports support both vertical and horizontal printing

*Support normal shift, setting is very easy and applicable. Supports both work and non work, or just half day working on Saturday. There are two options for normal shift clocking: twice a day and forth a day. Supports flexible attendance, such as within how many minutes late is "not late"

*Support shifts (3 shifts a day, or multi shift a day). Shift arrangement is flexible. Support shift cross night

*Support leaving, business trip and holiday settings. Accurate to half day.

*Support 99 shifts. Clocking can be twice a day, forth a day, sixth a day or eighth a day

*Support two kinds of overtime work: extended overtime work after normal work time; specify a time point as the beginning of overtime work after normal work time. Overtime work accurate to half an hour

Time attendance is an additional function, but it does not support the below functions:

No pay management module, does not support arbitrary irregular attendance at work

Does not support on work card reading while off work without card reading attendance

Does not support piece work attendance

Does not support access privilege automatically change with the shift schedule

Does not support automatic shift schedule

统计报表

查询 打印 导出到Excel 保存表格式 恢复完整格式 退出

部门组别: (全部) 用户: (全部)

考勤报表生成日志: [操作时间: 2007-09-01 10:49:54]
从: 2007-01-01 到: 2007-07-31
部门组别: (全部) 用户: (全部)

考勤统计报表: [2007.01.01--2007.07.31]

部门组别	用户编号	工号	姓名	应出勤天数	迟到分钟	迟到次数	早退分钟	早退次数	加班小时	旷工天数	未刷次数	签到次数	出差天	病假天	事假天	年休天
	49		褚友	22						0.5						
办公室\技术部	33		王军	22	123	2				1.0	1					
办公室\技术部	34		王利	22	5	1										
办公室\技术部	52		刘军	22	5	1				1.0						
办公室\开发部	31		刘成	22						1.5	3					
办公室\销售部	6		康美	22						22.0						
办公室\销售部	19		孙明亮	22	72	4				0.5	1					
办公室\销售部	20		程小雷	22						1						
办公室\销售部	29		李佳	22	14	1				2.0	3					
办公室\销售部	35		赵东	22						22.0						
办公室\销售部	36		胡安	22							1					
办公室\销售部	46		喻林	22	34	3	106	2		0.5						
保安部	5		吴成	22	284	6	79	1	2.0	1.0						
保安部	22		欧阳明月	22	14	2	58	1		1.0						
保安部	24		张果	22	106	3										
保安部	50		李响峰	22	57	1				1.0						
备用	42		卫生卡	22	614	13				14.5	2					
仓库	30		吴五	22						2.0						
仓库	40		马刚	22	169	6	98	1		2.0						



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



On-line Patrol (patrol and examine , Sign in)

- Basic system functions
- System extension function
- Time attendance
- Online patrol

*You can specify who is the inspection officer, you can specify which door is the inspection point, the operator can set our own the inspection line and inspection tasks

*Can generate detailed reports and statistics. Reports can be printed or exported to Excel files, you can check sub-sectors, personnel and printing query by date

*Inspection report in detail, showing inspection dates, inspection names of the members planned inspection time, the actual inspection time, patrol site name, patrol the road names, etc

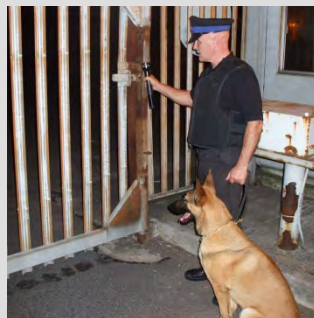
*Statistical reports can be displayed to a month (certain period), the number of early or late for inspection by Members of other statistical information on the number of undetected

*By real-time monitor capabilities, real-time observation of inspection staff who will arrive at what location

This is a management software supplied free and does not support the following features:

Does not support real-time alerting or alarm/s in the morning, undetected late or other abnormal alarms, it only reports a statistical report after that
Inconvenient access points in the establishment and new patrol points often require the need to set or change any of the local patrol Point/s

We therefore recommend you to choose a professional Off-patrol software system instead of using on-line Patrol System





DoorEntryOnline.co.uk
SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS
info@doorentryonline.co.uk



DY05 Access control power supply

DY05 Access control power supply

Basic Parameter

Size: 273mm x 228mm x 65mm

Power: 30—50W — 220v

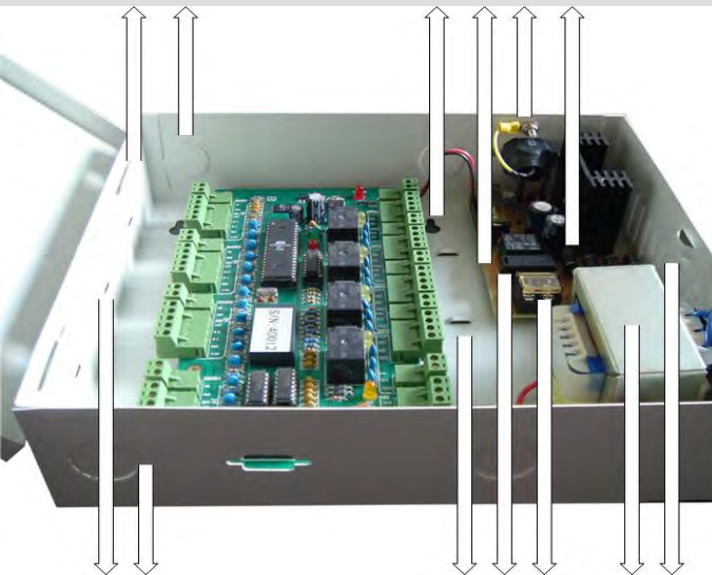
Output Voltage: 12V DC (11—14V)

Rated current: 4A

External battery specifications: 7AH 12V DC

Depleted battery voltage protection: 9V

1. 30-50W high-power transformers, with a high efficiency, output power that can meet the 2-4 card reader controllers with 4 x magnetic locks
2. Standard cooling ventilation design. All-metal design, heat dissipation and shielding anti-jamming
3. Main cover can be removed for ease of service access
4. Power front-end back-end has a 5A fuse, short circuit protection circuit to prevent damage, and to facilitate the replacement of fuses, fuse has a corresponding indicator light Tip
5. Box design ground connection points, easy to implement Lightning, Antistatic, anti-surge function
6. Waveform quality, interference-free high-frequency ripple. Output voltage 12VDC, can be partially fine-tuned to 14VDC
7. Protection against a depleted battery
8. With charge and discharge function, external 7AH 12V DC battery (optional) it can meet a magnetic lock , card reader and controller for approximately 3-5 hours





DoorEntryOnline.co.uk
SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS
info@doorentryonline.co.uk



BTS-01A card reader

BTS-01A card reader

BTS-01F card/keypad reader

R3 Vandal resistant card reader

USB Desktop card reader

Standard EM-RFID 125khz 64 bit Proximity card reader

Epoxy resin filled for enhanced weather protection, can be used internally or externally

ABS plastic

LED indication (Red = standby, Green = Access)

Colour: Cream

Voltage: 9v dc - 16v dc

Current: 100mA

Reading range: 30mm - 60mm

Card type: EM-RFID

Communication distance: 100Mtr

Fitting: Surface mount

Size: 114mm x 74mm x 16mm





DoorEntryOnline.co.uk
SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS
info@doorentryonline.co.uk



BTS-01F card/keypad reader

- BTS-01A card reader

- BTS-01F card/keypad reader

- R3 Vandal resistant card reader

- USB Desktop card reader

Standard EM-RFID 125khz 64 bit Proximity card/keypad reader

Epoxy resin filled for enhanced weather protection, can be used internally or externally

ABS plastic

LED indication (Red = standby, Green = Access)

Colour: Dark grey

Voltage: 9v dc - 16v dc

Current: 100mA

Reading range: 30mm - 60mm

Card type: EM-RFID

Communication distance: 100Mtr

Fitting: Surface mount

Size: 108mm x 88mm x 32mm





DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



R3 Vandal resistant card reader

- BTS-01A card reader

- BTS-01F card/keypad reader

- R3 Vandal resistant card reader

- USB Desktop card reader

Vandal resistant EM-RFID 125khz 64 bit Proximity reader

Epoxy resin filled for enhanced weather protection

1mm cast alloy body

IP rating: IP68, weather resistant and vandal resistant

LED indication (Red = standby, Green = Access)

Colour: Silver

Voltage: 12v dc

Current: 100mA

Reading range: 30mm - 60mm

Card type: EM-RFID

Communication distance: 100Mtr

Fitting: Surface mount

Size: 128mm x 82mm x 28mm





DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



USB Desktop card reader

- BTS-01A card reader
- BTS-01F card/keypad reader
- R3 Vandal resistant card reader
- USB Desktop card reader

USB Desktop card reader is an optional accessory for the 2001/2.net access control systems. If you do not require the USB card reader, you can add the cards into the system by entering the card number manually or you can assign a card reader to add the cards

Please note: you will require the USB card reader if programming key fobs

Using the USB reader can help you add card/s or key fob/s into the system more quickly and conveniently, especially for conditions with many card users

Parameter index:

Communication: USB

Power supply: USB direct power supply (5VDC <100AN)

Output format: Computer standard keyboard format; Wiegand26 standard 8 digits card number

Input format: Compatible with both EM ID card and Mifare one card

Reading distance: 1-6cm (this is the real distance, sensing distance is related with card type)

Work temperature: -40°C to 70°C

Relative humidity: 0-95%

Size: 106mm x 82mm x 25mm





DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



RFID cards and key fobs

EM RFID cards and key fobs



Standard Proximity EM-RFID 125khz 64 bit key fob for any access control system using this frequency

Colour: Blue

Supplied: Pack of 10

Size: 34mm x 27mm x 6mm



Standard Proximity EM-RFID 125khz 64 bit contactless card for any access control system using this frequency

Colour: White plain

Supplied: Pack of 10

Size: 54mm x 85mm x 1mm



DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



Exit buttons



Compliment the system with a range of exit buttons, standard single gang size 85mm x 85mm or slim line mullion





DoorEntryOnline.co.uk

SPECIALISTS IN ALL TYPES OF ACCESS CONTROL SOLUTIONS

info@doorentryonline.co.uk



Magnetic lock and brackets

Magnetic lock type 10002 with door monitoring contacts

Available for either inward or outward opening doors



Surface mount slim line magnetic lock- monitored

12v/24v dc selectable

272kg (600lbs) holding force

500ma @ 12v dc - 250ma @ 24v dc

Magnet size: 250mm x 42mm x 26mm

Armature plate size: 185mm x 38mm x 12mm



Adjustable 'L' bracket for outward swing doors



Adjustable 'ZL' bracket for inward swing doors