

SYSTEM OPERATION

Users can pass through an entry point secured by a keypad, reader, or combination of both by entering a correct code into the keypad or presenting a valid card or Data Chip to the reader. The System then decides if the user is allowed access to this door at the current time and date, either grants or denies access and logs the transaction in the event buffer.

As used above and throughout the rest of this text, the word *door* is synonymous with port, area, gate, lights, garage doors, etc.

Public access doors can be programmed to automatically lock and unlock according to the programmed time schedules set up by the System Administrator.

SYSTEM 2 has a built-in clock and calendar that automatically adjusts for daylight savings times and leap year. There are 256 holidays which allow the System to selectively engage alternate holiday schedules for users and doors.

With the addition of the RS232 Full Duplex option, SYSTEM 2 can be monitored and reports can be printed from an off-site location using dial-up phone modems.

USER FRIENDLY PROGRAMMING

Programming is fast and easy. All programming and operating data appears on a two-line, 48 character Liquid Crystal Display (LCD). To make programming even easier, all menu option instructions scroll on the LCD prompting the System Administrator for step-by-step data entry.

Each time a door is accessed, the user number, time, date and door number are displayed on the LCD. By connecting an optional serial printer a detailed report can be printed. The programming keypad, LCD and instructions are conveniently located inside the locking steel cabinet.

SCHEDULE CAPABILITIES

The SYSTEM 2 contains eight individual time schedules. Each schedule includes 32 time cells and each cell contains the seven days of the week and holidays, for a total of 256 time zones. Any of these schedules can be assigned to users or to a door or group of doors.

By using these schedules you can grant or restrict the access during any specified period. Examples:

The custodian can be assigned a schedule to gain access from 8:00 PM to 10:00 PM on Tuesdays and Thursdays. Any attempt to enter outside of these hours will be denied and recorded as an invalid attempt.

Using a different schedule, a door can be programmed to automatically unlock at 9:00 AM and lock at 5:00 PM weekdays.

With the addition of the Special Options Package, the schedules can be increased to sixteen, with 64 time cells, for a total of 1024 time zones.

PROGRAMMABLE OUTPUTS

Each door on the SYSTEM 2 has two heavy-duty relays and one voltage output. One relay is usually used to lock and unlock a door and the other relay (auxiliary relay) is available for any other purpose. The auxiliary relay and voltage output can be programmed to activate from any System event such as: System Reset, Door Ajar, Memory Clear, Invalid Code, PIN Error, Forced Entry, etc.

SYSTEM 2 also has an emergency 12VDC input which, when activated, will open the normally closed contacts of the door relay(s).

The relays and the voltage outputs can be programmed for either momentary (2-255 seconds) or latching (on/off). For latching the relay contacts alternate position every time the output is activated.

With the addition of the Special Options Package, any of the relays or voltage output(s) can also be triggered from a user code or time schedule. Code and schedule linkage allows different user codes and schedules to have their own distinct output(s), providing complete flexibility.

SYSTEM EXPANSION

SYSTEM 2 is designed as a complete two-door Access Control System which can easily be expanded into a large 16 door System. With the installation of a larger RAM chip and external lithium battery the standard 485 user feature can also be expanded to 3,300 users (with names), 5,700 users (without names), for each SYSTEM 2 unit.

The engineers and technical staff at Corby understand that not everyone needs thousands of users or 16 doors. That's why we make these upgrade features optional.

We decided to make the SYSTEM 2 available as a one door system and yet retain all the features and hardware to enable you to upgrade it instantly with a minimum of hassle.

So, for single door Systems, just install a one door SYSTEM 2 and enjoy the benefits of a low cost installation.

If the need arises, and you wish to purchase any of the options listed below, call our Customer Service Team and we will provide you with the "Keys" for any of these instant upgrades. All that is required is a major credit card or open account status.

System Options:

- Second Door
- Full Duplex RS232
- Code and Schedule Linkage
- RS485 network expansion
- 26-bit Wiegand capability
- 16 Time Schedules
- 3000 users

RS485 EXPANSION

The SYSTEM 2 uses an industry standard high-speed RS485 buss. This buss uses an inexpensive twisted pair of wires which can be up to 4000 feet in length. This RS485 buss allows SYSTEM 2's and other accessories including zone input modules, relay output modules, and future devices to be connected anywhere on this buss for further expansion.

Each SYSTEM 2 unit requires the RS485 option to be activated for System networking of up to sixteen doors.

Upcoming computer-based Systems will allow hundreds of SYSTEM 2's to be networked into a System spanning hundreds or even thousands of miles and supporting thousands of users.

X-10 CAPABILITY

An optional expansion board will allow the SYSTEM 2 to control any device which conforms to the X-10 standard by sending digital commands over existing AC wiring.

This SYSTEM 2 controller manipulates standard X-10 commercial and residential switch, dimmer or outlet modules.

COMMUNICATIONS

An RS232 half duplex output is supplied with the SYSTEM 2. This output supports a serial printer for on-site reports.

With the addition of the Full Duplex RS232 option SYSTEM 2 will support an ANSI VT-100 Video Display Terminal (VDT), PC or modem for fast programming on location or off-site.

When using "dial-up" phone lines, a modem is required at the SYSTEM 2 location and at the off-site programming location. A PC or Video Display Terminal is also required.

When accessing a SYSTEM 2 from a remote location you may add or delete users, change codes, invalidate cards, set access levels and time zones, program holiday dates and set relay functions. In addition to the programming functions, doors can be automatically unlocked.

Corby stocks the modems needed for your applications. If you wish to use your own modem, it is strongly suggested you check with Corby tech services to be sure that your modem is on our approved list.

ENTERING USERS

It's easy, and takes only seconds to add or delete a code. To save programming time, users can also be batch loaded.

User codes/cards are usually programmed with a unique user ID number, time, date and door restrictions.

With the addition of the Second Door option, SYSTEM 2 will also support temporary users. These temporary users can expire on a programmed date or after a specific number of uses. In addition, Holdup/Duress and Anti-Passback options are enabled.