System 5

Multi-Door Access Control

Four Door Panel Supports 750 users, 250 events, full duplex RS232, eight time schedules, sixteen holidays, anti- passback, one auxiliary relay, door ajar and request-to-exit input. (Order Model 4000)

Communications The RS232 full duplex output supports the supplied ANSI VT-100 Video Display Terminal and a serial printer for on-site reports. A PC can be used for fast local programming or remote programming with the addition of standard phone modems.

Time Schedules The System has eight individual time schedules. Each schedule includes 9 time cells and each cell contains the seven days of the week and one holiday, for a total of 64 time zones. These schedules can be assigned to users or to a door or group of doors for automatic operation.

Anti-Passback When using anti-passback, a card, code or data chip used to operate a door on the System 5 panel cannot access that port again until it is used on the opposite port. Example: If a code is used to gain access on Door 1 it will not work on Door 1 again until that same card, code or data chip is used on Door 2. If the anti-passback feature is needed for a door, two ports and two readers or keypads must be used; one for entry and one for exit.

Relays The System has five heavy-duty relays. The four 5 amp relays are usually used to lock and unlock doors and the other relay (auxiliary relay) is available for door ajar.

Inputs **Door Ajar & Time Cancel -** The System can sense when a door (or switch) is opened, the length of time it remains open, when it's closed, and if programmed to do so, activate any of the auxiliary outputs. **Request-To-Exit -** Use a normally open button or passive infrared to allow emergency exit from a locked area without having to use a keypad or reader.

Back-up/Restore Software Each System includes a complete back-up/restore software package that allows the System operator to save and restore all programmed data. The use of this software requires an IBM PC or equivalent running DOS 6.22 and an interconnect cable. All data entered in the system is sent to the computer and stored on disk for later use. Upon data loss, the data can be sent from the computer to the system for data retrieval.

Printed Reports After a valid entry the System will print: the User's Name, Door Description, Port Number, Time and Date, and User Information. During invalid attempts, the System prints Invalid Usage with the code, card or chip number. In addition, Automatic Door Operation, Request-To-Exit, Door Ajar/Door Closed, and Zone Violations are printed.

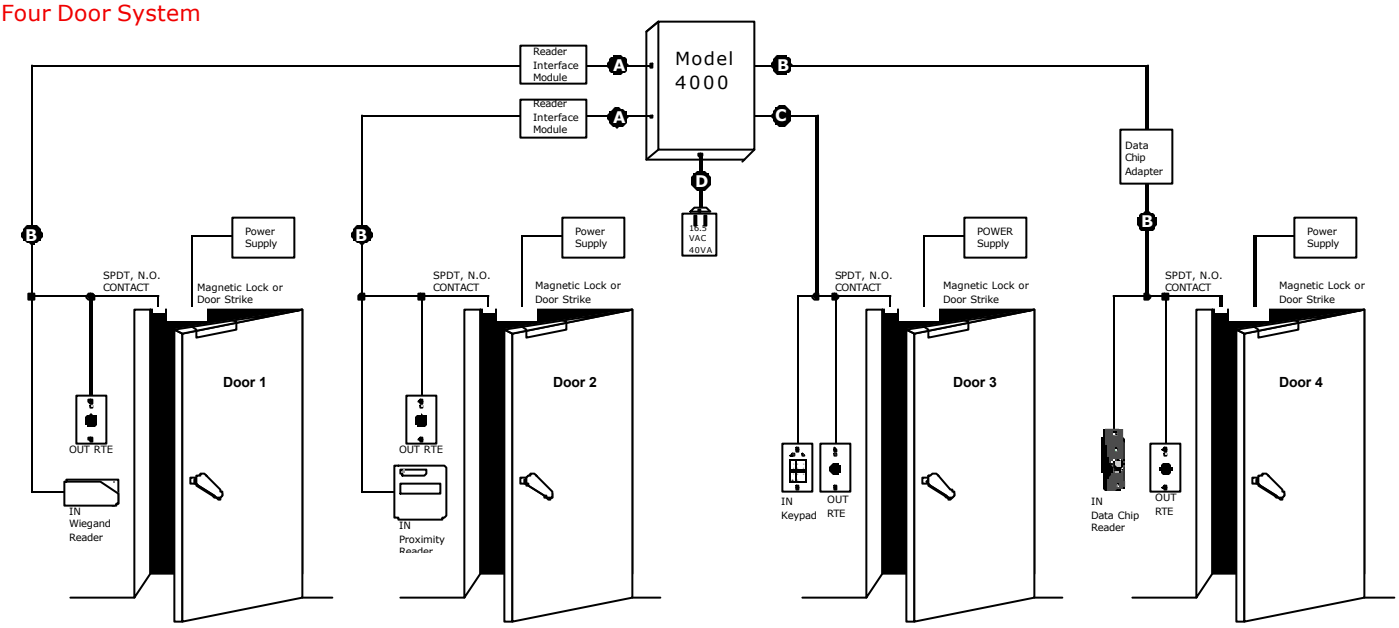
Expansion The System can easily expand to eight doors with the addition of a Slave Control Unit (SCU). Connect the SCU up to 500 feet from the System 5 using a three-conductor cable. If future expansion requires more than eight doors, the system can be upgraded to a larger PC based system that supports 128 doors and thousands of users.

Additional Benefits & Features

- 14" Display Terminal supplied for on-site or remote programming.
- Network panels to a fully expanded 8 -door system.
- Relays and Outputs are programmable from 1 second to 250 seconds.
- Batch enroll keypad codes or cards.
- Program and print reports locally or from a remote location.
- Print user name, title and keypad or card location.
- Program users with custom time schedules for doors.
- Control door locks, garage doors, and arm/disarm alarm panels or shunt contacts.
- 250-event buffer.
- Choose any card reader, data chip reader and/or any keypad for each port.
- Year 2000 and Leap Year compliant.
- Built-in back-up software.

System 5
Multi-Door Access Control System

Four Door System



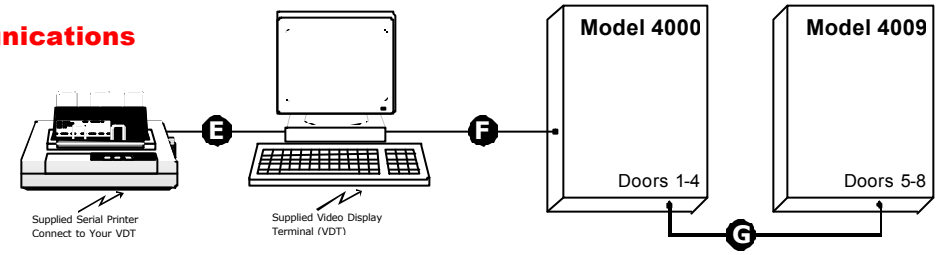
A - 8 conductor, 22 gauge, shielded, non-twisted - 50 feet maximum.
B - 8 conductor, 22 gauge, shielded, non-twisted - 500 feet maximum.
C - 8 conductor, 22 gauge, shielded, non-twisted - 1000 feet maximum.
D - 2 conductor, 18 gauge, 10 foot minimum.

Data Chip readers require a P/N 4301 Data Chip Adapter for each reader.

Card readers (Bar Code, Magnetic Stripe, Proximity and Wiegand) require a P/N 4141 Reader Interface Module (RIM) for each reader.

Note: The 4301 and 4141 require a 12VDC power supply (not shown). Order P/N 4094.

Communications



E = Supplied 5' serial data cable.
F = 3 conductor, 22 gauge, shielded - 500 feet max.
G = 3 conductor, 22 gauge, shielded - 500 feet max.

Important: All wiring is non-twist.

If future expansion requires more doors, the System 5 can be easily upgraded to a System 10, which can grow, in four door increments, to a maximum of 128 doors and support thousands of users.

Specifications:

Class II Transformer 16.5VAC @ 40VA
4 Amp/hr Standby Battery
* 4 Main Relays - Form C, 5A @ 30VDC
* 1 Aux Relay - Form C, 1A @ 30VDC
* 4 Normally Open Zone Inputs
* 4 Keypad or Reader Inputs
Cabinet Size: 15.5" X 11" X 4.5"
Operating Temperature: 32° F -110° F

* Model 4000 only

The Model 4009 adds four main relays, zone inputs and four keypad or reader inputs plus one auxiliary relay.

Ordering Information:

Panels
4000 Four Door Panel
4009 Four Door Expansion Board (Slave Control Unit - SCU)

Readers
4307 Data Chip
4160 Bar code
4075 Outdoor Mag-Stripe
4177 Proximity - 4"- 5"
4178 Proximity - 3"- 4"
4042 Wiegand - Beige Swipe
4044 Wiegand - Black Swipe

Cards
4320 Data Chip on Metal Tag
4321 Data Chip Only
4151 Bar code
4074 Mag-Stripe
4190 Proximity - Credit Card Size
4192 Proximity - Key Tag Size
4047 Wiegand - Photo ID (30 bit)
4049 Wiegand - Standard (30 bit)

Keypads
4020 Indoor - 2 LEDs
4012 Outdoor - 2 LEDs
4014 Hidden View - 2 LEDs
4064 Outdoor - Lock Box
4066 Outdoor - 2 LEDs Hvy-Duty

Surge Protectors
4238 For multiple transformers
4239 For RS232 line
4240 Use one for each panel

Wire
(8 conductor, 22 gauge, non-twist)
4023 Standard 1000 feet
4022 Plenum 1000 feet

Request-To-Exit Buttons
4035 Heavy-Duty - Illuminated
4135 Standard-Duty

Modems
4120 Phone Modem for Panel
4121 Phone Modem for VDT
4125 Short haul up to 1 mile

Power Supplies
4094 6-12 volt for door locks

Accessories
11 Flush Mount Box for 4020
12 Surface Mount Box for 4012
14 Surface Mount Box for Heavy-Duty and Outdoor Keypads w/ Tamper

These specifications, product features and product information are subject to change without notice or obligation. Before purchasing or specifying this equipment, be sure to call Corby Customer Service to verify the current status of intended products, software, or firmware features to ensure the product(s) will meet or exceed your requirements. These specifications and features were written for the shipping version at the time this was printed (version 1.6h). Corby Industries, Inc. is not responsible for typographical errors.

Architectural Specifications:

The access control system will be a Corby Model 4000, "System 5", or approved equal. System will control four doors and be expandable to control 8 doors by adding a model 4009 slave unit. User, door and operating data will be programmed through the supplied, 14 inch, Model 4100 video display terminal. System will include a dot matrix, tractor feed, and 80-column printer. System events and user data with time, date and location will be displayed on the terminal and can also be printed. System will support 750 users, identified by name and number, and record the last 250 events. System will support a perpetual clock and calendar system accurate to the year 2086. System will contain eight time schedules and 16 holiday dates. Each schedule will have seven days plus a holiday for a maximum of 64 time zones. Door relays will be operable by time schedules for automatic control of doors. Schedules will restrict access by time restriction of valid user codes. System will support anti-pass-back when a keypad or reader is used on each side of the door. System will support duress codes and cards. System will accept model 4000 series keypads wired directly or from a Wiegand-type, magnetic stripe, bar code, proximity or Data Chip reader connected through a Reader Interface Module (RIM) or Data Chip adapter. System will accept a Normally Open (N.O.) door contact input for the purpose of monitoring door ajar status and to cancel any remaining "door open" time. System will support four request-to-exit inputs to service a Normally Open (N.O.) egress device. The unit will be capable of operating and electric door locks via four C form relays each rated 5A @ 30VDC. System will provide an auxiliary relay contact rated1A @ 30VDC, activated by duress codes, a door ajar condition or time schedules.

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