

Two Door Panel - Supports thousands of users, full duplex RS232, sixteen time schedules, anti-passback, temporary users, two zone inputs, two auxiliary relays, two voltage outputs, generic 26-bit Wiegand capability, forced entry, door ajar, request-to-exit and an emergency drop input. (Order Part Number 2016).

Maximum Users per Panel:

Codes only = 6225 users.
Codes with networking = 4090 users.
Names only = 3490 users.
Names with networking = 2700 users.

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

Time Schedules - The System has sixteen individual time schedules. Each schedule includes 64 time cells and each cell contains the seven days of the week and holidays, for a total of 1024 time zones. Any of 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 a System 2 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.

There are two types - hard and soft. Hard means there is never any forgiveness. With soft anti-passback, all restrictions are forgiven and reset to their initial working state at a selectable time.

Temporary Users - Users can be programmed to expire on a programmed date or after a specific number of uses.

Zone Inputs - Use a standard magnetic contact or passive infrared to monitor a door, window or hallway. When activated, a Zone On or Zone Off event is generated and this condition can trigger any of the auxiliary outputs. A zone input is available for each door.

Relays - The System has four heavy-duty 5 amp relays and two voltage outputs. Two relays are usually used to lock and unlock doors and the other two relays (auxiliary relays) are available for any other purpose. The auxiliary relay(s) and voltage output(s) can be programmed to activate from any system event, time schedule or code. An emergency 12VDC input is also available to open the normally closed contacts of the door relay.

Voltage Outputs - Switch negative (-) and sink up to 50ma. They can be triggered from various system events, time schedules or codes.

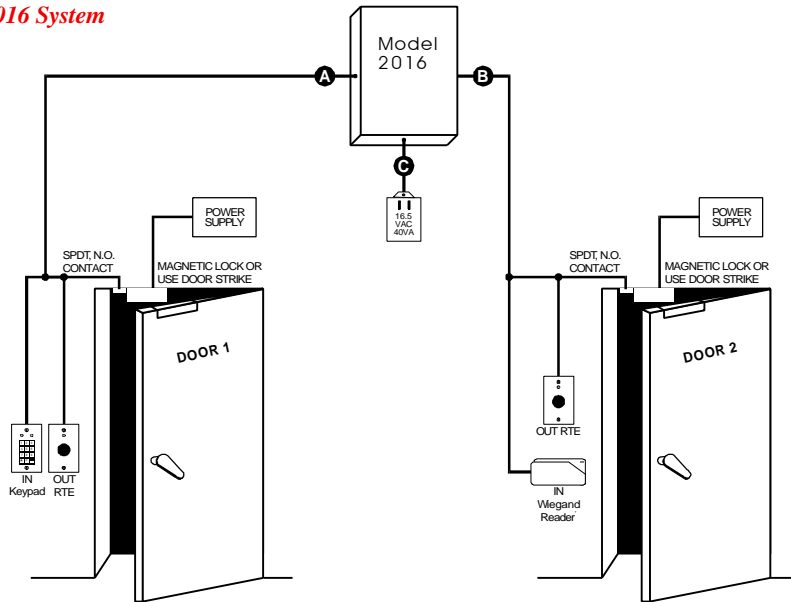
Inputs - Door Ajar & Time Cancel - The System can sense when a door (or switch) is opened, the length of time it remains open, when it's closed, and if programmed to do so, activate any of the auxiliary outputs. *Request-To-Exit* - Use a normally open button or passive infrared to allow emergency exit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



Additional Benefits & Features

- ▶ Built-in brilliant 48 character LCD for on-site programming.
- ▶ Choose any card reader, data chip reader and/or any keypad for each port.
- ▶ Network panels to a fully expanded 16 door system.
- ▶ Year 2000 and Leap Year compliant.
- ▶ Relays and Outputs are programmable from one second to 18.5 hours.
- ▶ Program and print reports locally or from a remote location.
- ▶ Batch enroll keypad codes, cards or data chips.
- ▶ Industry standard 26-bit Wiegand card capability.
- ▶ Control door locks, garage doors, arm/disarm alarm panels or shunt contacts.
- ▶ Program user with custom time schedules for each door.
- ▶ Print custom reports.
- ▶ Built-in backup software.

2016 System



A = 8 conductor, 22 gauge, shielded, non-twisted - 1000 feet maximum.
 B = 8 conductor, 22 gauge, shielded, non-twisted - 500 feet maximum. Increase length using an extender module.
 C = 2 conductor, 18 gauge, 10 foot minimum.

If using a door strike to secure the door, a Request-To-Exit button may not be necessary.

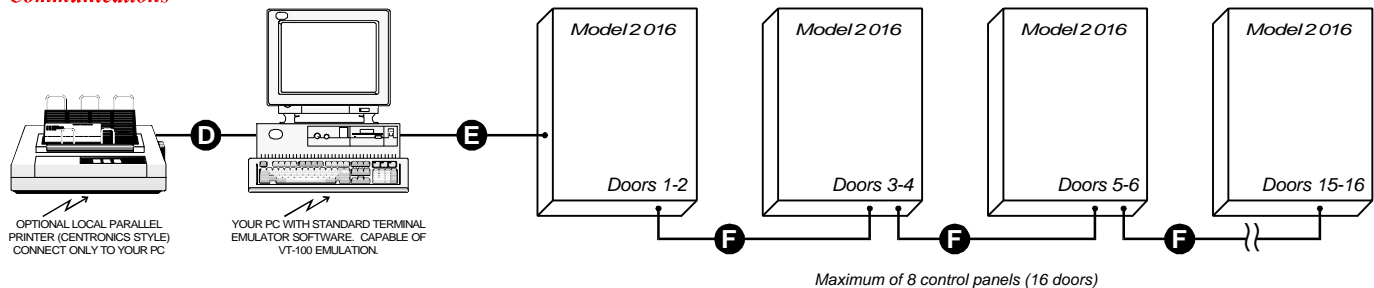
Specifications:

- Class II Transformer 16.5VAC @ 40VA
- 4 Amp/hr Standby Battery
- 2 Main Relays. Form C, 5A @ 30VDC
- 2 Auxiliary Relays. Form C, 5A @ 30VDC
- 2 Voltage Outputs switches low (-) 50ma
- 2 Shunt Contacts for Alarm Inputs
- 2 Inputs for Zone Monitoring
- 2 Keypad, Data Chip, or Card Reader Inputs
- Cabinet Size: 15.5" X 11" X 4.5"
- Temperature Operating Range 32° F -110° F

Data Chip wiring runs are slightly different from keypad or card reader wiring. Use the same 8 conductor, 22 gauge, shielded wire, but run an additional two conductor, 22 gauge, unshielded wire for the data chip data and ground.

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 5.1v). Corby Industries, Inc. is not responsible for typographical errors.

Communications



D = Standard parallel printer cable.
 E = 5 conductor, 22 gauge, shielded - 100 feet maximum.
 F = 2 conductor, 22 gauge, shielded, twisted pair. 4000 feet maximum from first unit to last unit.

A PC is not necessary, but highly recommended when programming a networked system.

Ordering Information:

System

2016 Two-Door Panel
 (Expands to 16 doors)

Readers

4307 Data Chip
 4150 Bar code
 4073 Indoor Mag-Stripe
 4075 Outdoor Mag-Stripe
 4173 Proximity - 10"-27" Range
 4174 Proximity - 1"-9" Range
 4175 Proximity - 2"-4" Range
 4176 Proximity - 2"-5" Range
 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
 4170 Proximity Keyfob (26 bit)
 4171 Proximity Standard (26 bit)
 4172 Proximity, Photo ID (26 bit)
 4047 Wiegand, Photo ID (30 bit)
 4049 Wiegand, Standard (30 bit)

Keypads

4010 Indoor w/ 2 LEDs
 4063 Indoor, Heavy-Duty, 2 LEDs
 4012 Outdoor, w/ 2 LEDs
 4066 Outdoor, Hvy-Duty, 2 LEDs

Surge Protectors

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

Wire (conductor/gauge)

Standard
 4263 250 ft 8/22, shielded, non-twist
 4265 500 feet 8/22, shielded, non-twist
 4023 1000 feet 8/22, shielded, non-twist
 Plenum
 4262 250 feet 8/22, shielded, non-twist
 4264 500 feet 8/22, shielded, non-twist
 4022 1000 feet 8/22, shielded, non-twist

Request-To-Exit Buttons

4035 Heavy-Duty - illuminated
 4135 Standard-Duty

Modems

4118 Short haul up to 1 mile
 4126 Phone Modem

Power Supplies

4093 24 volt for 4173 reader
 4094 6-12 volt for door locks

Door Locks

4252 Mag-Lock (swing-out)
 4253 Door Strike

Accessories

11 Flush Mount Box for 4010
 12 Surface Mount Box for 4012
 14 Surface Mount Box for Heavy-Duty Keypads
 2018 Data Chip Program Wand

Expanded Warranty No Questions Asked

2011 One Year
 2012 Two Year
 2013 Three Year

If purchasing an extended warranty, it must be purchased for each panel during the initial order.

Architectural Specifications:

The access control system will be a Corby Model 2016 "System 2" or approved equal. System will control two doors. System will be housed in a metal cabinet measuring 15.5" x 11" x 4.5". Cabinet will have a hinged door with a lock to prevent unauthorized access to the wiring. Memory allocation for users, event storage and mode of operation will be adjustable. System will be programmable from a built-in keypad and 48 character LCD display. System will provide an RS232 interface for optional programming through a video display terminal, PC or the connection of a printer. System will provide an RS485, two wire interface for connection to other System 2's in a network. A maximum of eight systems will be networkable to provide control for 16 doors. System will provide built-in charging for a lead acid battery to support full system operation upon loss of main AC power. System will contain a lithium battery for backup of user, system and event data upon loss of main AC power and main battery backup. Sixteen time schedules will be provided for the control of users, doors and auxiliary functions. Each time schedule will consist of 64 cells each for a total of 1024 time cells. System will allow hard and soft anti-passback. Auxiliary relay outputs will be triggerable from twenty different system events. System will contain two direct wire inputs for each of the following: Keypad, Wiegand (including swipe, insert and proximity), bar code, magstripe and Touch Memory readers, Door Ajar/Forced Entry, Request-To-Exit and Zone. An input will be provided for an emergency drop of the main door relays. The system will accept BCD encoded keypad codes, 26 bit standard Wiegand codes, a proprietary Corby 30 bit Wiegand code, a Code-39 bar codes, track-two magstripe codes and Dallas Touch Memory device codes. System will provide 5 VDC @ 125 ma. and 12 VDC @ 250 ma. for card readers. Resettable fuses will provide protection for 5 and 12 volt outputs, AC power and rechargeable battery. System will contain two of the following outputs: Door relay consisting of form A and form C contacts rated five amps @ 30 VDC, Red and Green LED indicator rated 50 ma. The following additional outputs will be provided for signaling, shunt and schedule control: Two form C relays rated five amps, 30VDC, and two voltage outputs rated 50 ma.

CORBY INDUSTRIES, INC. 1501 East Pennsylvania Street, Allentown, PA 18103 (610) 433-1412 FAX (610) 435-1963 <http://www.corby.com>
 Corby's always changing and improving their products. Please be sure to call and verify current specifications.