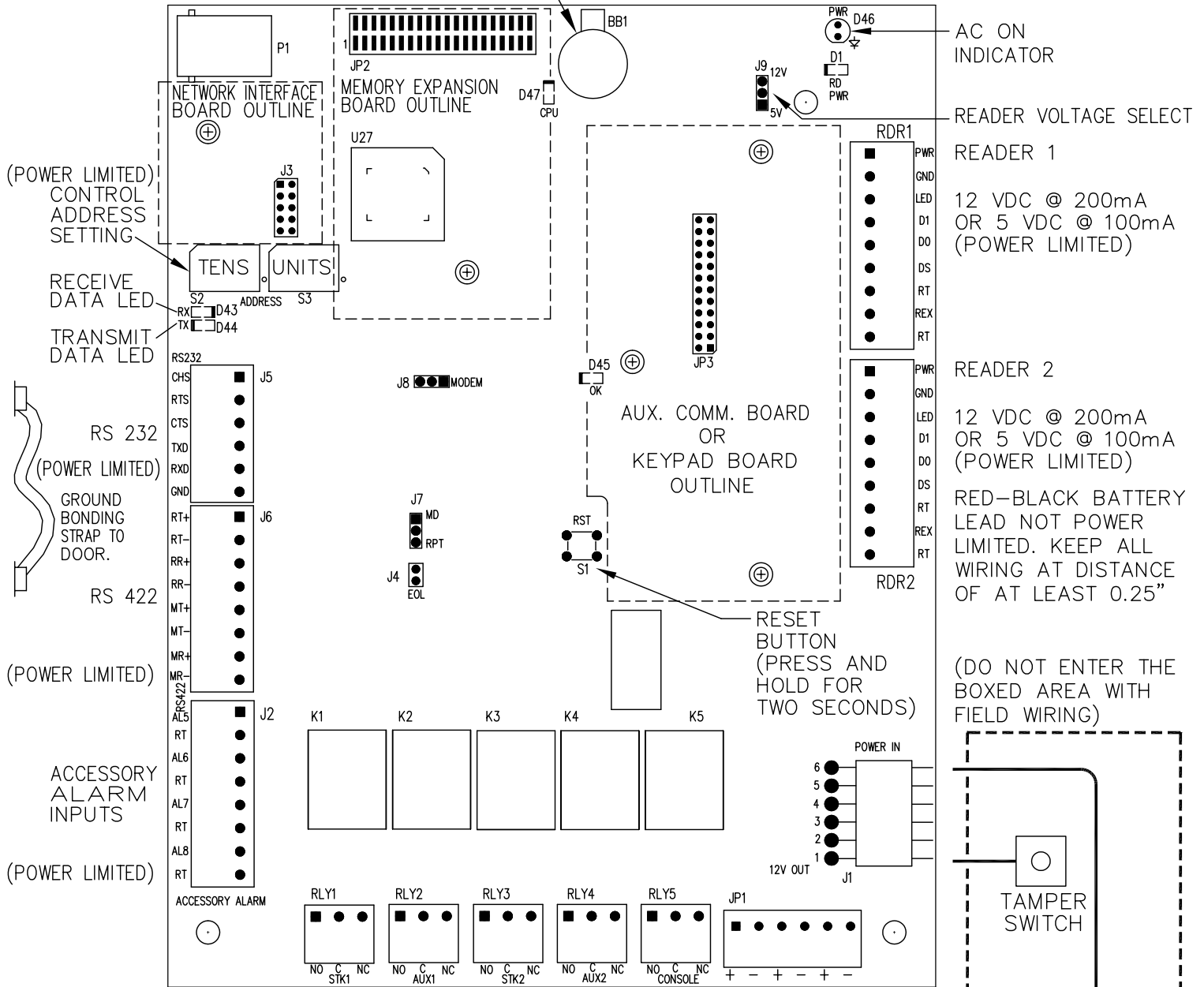


CONTINENTAL INSTRUMENTS CICP1300 WIRING DIAGRAM



REFER TO INSTALLATION INSTRUCTIONS W1265

MEMORY BACKUP BATTERY
REPLACE THE LITHIUM MEMORY BATTERY WITH A PANASONIC OR RAYOVAC BR1225 OR BR1225A.
USE OF ANOTHER BATTERY MAY PRESENT A RISK OF FIRE OR EXPLOSION.

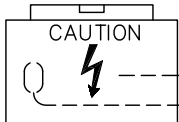


MAX RELAY LOAD RATING 24V AC/DC, 2 AMP
CONNECT ONLY TO POWER LIMITED CIRCUITS.

THE WHITE-BLACK WIRES FROM THE AC
TERMINAL BLOCK ARE NOT POWER-LIMITED.
KEEP ALL FIELD WIRING AT DISTANCE OF
AT LEAST 0.25"

ACC./LOCK POWER
1.6A MAX
POWER LIMITED OUTPUT

AC POWER
INPUT AREA



CABLE TIE
MOUNT

AC FUSE BLOCK
1A, SLO-BLO

12V 7AH STANDBY BATTERY	
STANDBY POWER WITH NETWORK INTERFACE ADAPTER AND MAX READER LOAD:	4 HOURS
WITH NETWORK ADAPTER, MAX READER LOAD AND TWO 400mA EM LOCKS:	2 HOURS

NOTES:

- 1.) AC WIRING MUST BE IN ACCORDANCE WITH LOCAL WIRING CODES.
- 2.) AC BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICE MUST BE RATED 15 AMP OR LESS.
- 3.) DO NOT RUN AC WIRING THROUGH THE KNOCK-OUT WITH ANY OTHER WIRING.
- 4.) RELAY AND LOCK ACC. POWER MUST USE A KNOCKOUT DIFFERENT FROM ANY OTHER WIRING.
- 5.) ALL FIELD-WIRING TERMINALS ON THE CIRCUIT BOARD ARE POWER-LIMITED.

GEM-PX Proximity Reader Installation Instructions

W11269A 7/04



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For Sales and Repairs, (800) 645-9445
Armstrongville, New York 11701
333 Bayview Avenue

GENERAL DESCRIPTION

The GEM-PX is a NAPCO proprietary proximity card reader which combines with the GEM-PXCVCV cover to provide complete system status using indicator LEDs. The GEM-PX reader can only be used with GEM 36-bit proprietary proximity cards. The GEM-PX reader consists of the proximity reader module, which is fully encapsulated in weather resistant potting and the snap on GEM-PXCVCV cover which houses additional LEDs. The multicolored LED on the GEM-PX provides standard visual feedback as to access condition (door "locked" or "unlocked"), and the additional LEDs in the GEM-PXCVCV cover provide feedback as to system condition (system "armed" or "disarmed"). Together, the GEM-PX and GEM-PXCVCV is an indoor/outdoor proximity card reader providing potted electronics, low power consumption and durability all in a small, easy to install package.

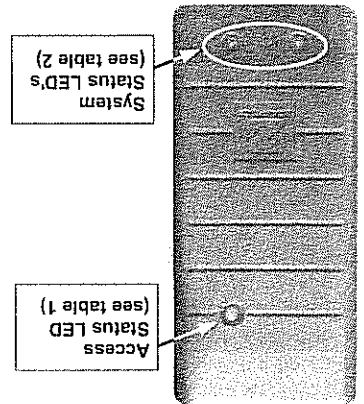
SPECIFICATIONS

12V Nominal, 50mA standby current.

LED Indications

The GEM-PX reader contains a multicolored LED which provides visual feedback as to access condition when access cards are presented to the reader. Table 1 below displays the LED indications and their meanings.

The GEM-PXCVCV provides two LEDs to indicate system condition, as displayed in Table 2 below:



Stealth Mode is used to hide the ACM's Armed and Status LEDs. When **Stealth Mode** is enabled, the GEM-PXCVCV

Table 1: Access Status LED (Top)	
LED INDICATION	ACCESS CONDITION
Steady Red	Door Locked
Steady Green	Door Unlocked
Momentary Green	Card Read--Door Remains Locked
Alternating Green & Red	(Downloading PCD--Windows Program to ACM)

Table 2: System Status LEDs (Bottom)	
LED INDICATION	SYSTEM CONDITION
Steady Red	System Armed
Red LED is off	System Disarmed
Blinking Red	System in Alarm
Steady Green	System Ready to Arm

MOUNTING THE GEM-PX

system status LEDs are normally off but are turned on for 1 minute by any of the following events:

- Press a request to exit button
- Press a request to arm button
- Present a valid ARM/DISARM or ARM card to the reader

When **Stealth Mode** is disabled ("normal operation"), the LEDs are always enabled and mimic the keypad Status LEDs for the following functions only: *Armed, Disarmed, Ready to Arm, Not-Ready to Arm and Alarm. Note:* When the system is in alarm, **Stealth Mode** is disabled. "Access Only" cards do not affect the status of **Stealth Mode**.

Table 3: Proximity Card Reader Connections

GEM-ACM1D Terminal Number	Description	HID Model 6005B (Prox Point Plus) Wires
17 (+)	Reader Power	Red (+ DC)
18 (-)	Reader Power	Black (- Ground) & (Shielded Ground)
19	Reader Data 1	White (Data 1)
20	Reader Data 0	Green (Data 0)
21 (-)	Red LED	Brown (Red LED)
22 (-)	Red & Green LED	Orange (Green LED)
23 (-)	Reader Sounder	Yellow (Beeper)
(Not Used)	(Not Used)	Blue (Hold)
(Not Used)	(Not Used)	Violet (Card Present)

* Tamper Connection not available on HID 6005B
Be sure to place jumper J1 in correct configuration for 5 volt of 12 volt reader operation.

Table 4: GEM-PX Wire Connections

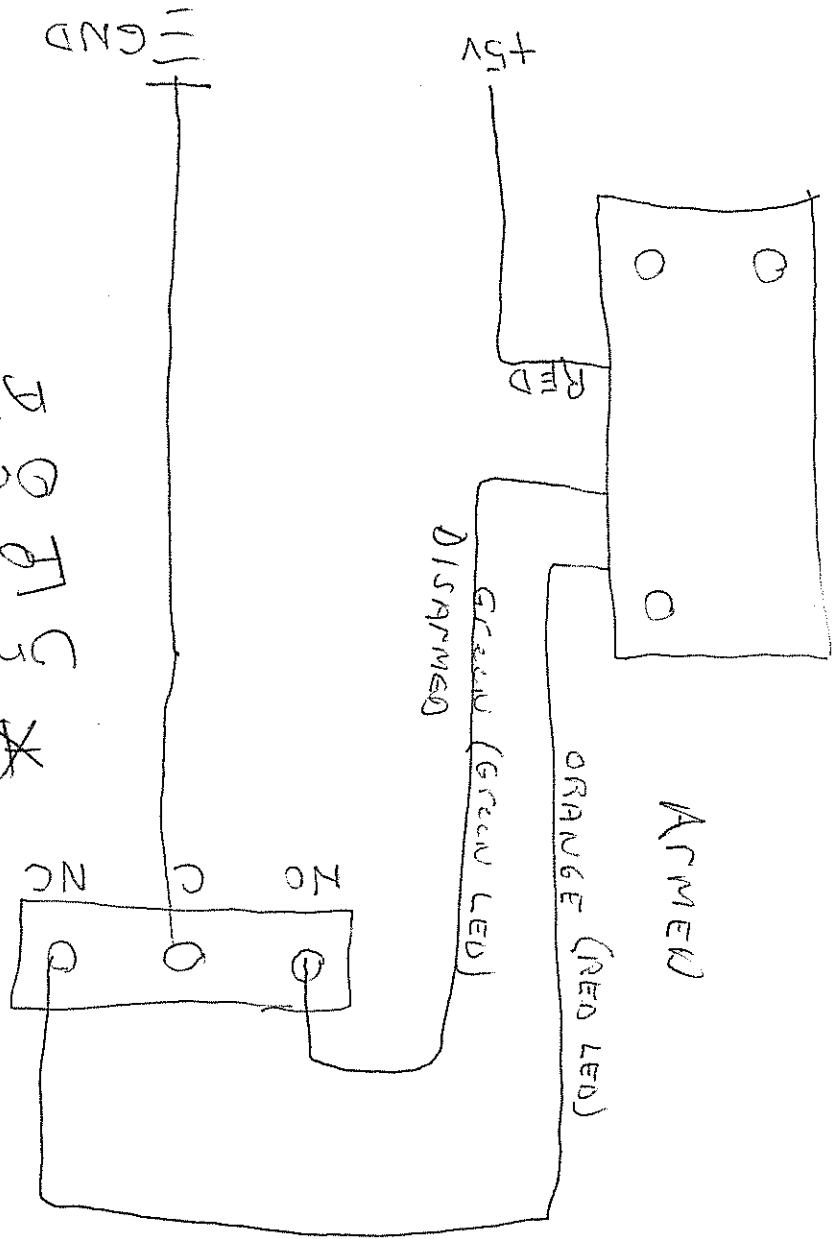
GEM-PX Wires	GEM-ACM1D Terminal Description	GEM-ACM1D Terminal Number	GEM-2D Terminal Number
Red	Reader Power	17 (+)	35 (+)
Orange	Active Low Red	30	48
Green	Status Green LED	31	49

Before mounting the card reader, always plan ahead and determine the route all wires will follow before drilling into wall mounting surfaces. For more information regarding various system designs, refer to W11121 for complete installation instructions. Install the GEM-PX as follows:

1. **Determine mounting location.** Using the template (Figure 1) and a pencil, lightly mark the location of the two mounting holes and the two wire feed holes.
2. **Route the Reader Wires.** The minimum number of wires required to activate the reader are displayed in Table 3. Determine which wires will be needed and plan how these wires will be accessed from behind the mounting location.
3. **Install dry wall mounting hardware.** Use hardware such as molly bolts, toggle bolts or other anchoring devices. Drill the smallest hole needed for the device. **Warning:** Use caution when drilling holes--there may be high voltage within in wall.

NAPCO Reader Cover

← relay selected
in CA3000



PART #
GEM-PXCV

*MUST configure
under EVENT DEFINITION
for relay to open
or close on certain
alarm conditions.

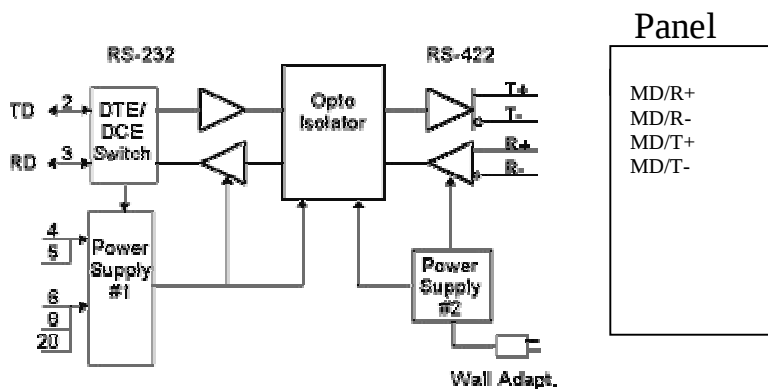
CONTINENTAL INSTRUMENTS LLC
 355 BAYVIEW AVENUE
 AMITYVILLE, NEW YORK 11701
 PH# (631) 842-9400 FAX# (631) 842-9135
 E-MAIL CIC@CICACCESS.COM

Wiring Instructions using Continental Panels
 with Telebyte Model 265 RS232 to 422 Converter
Polling Line Converter Continental P/N CICE1942

This product is not intended to be used in multi-drop mode.

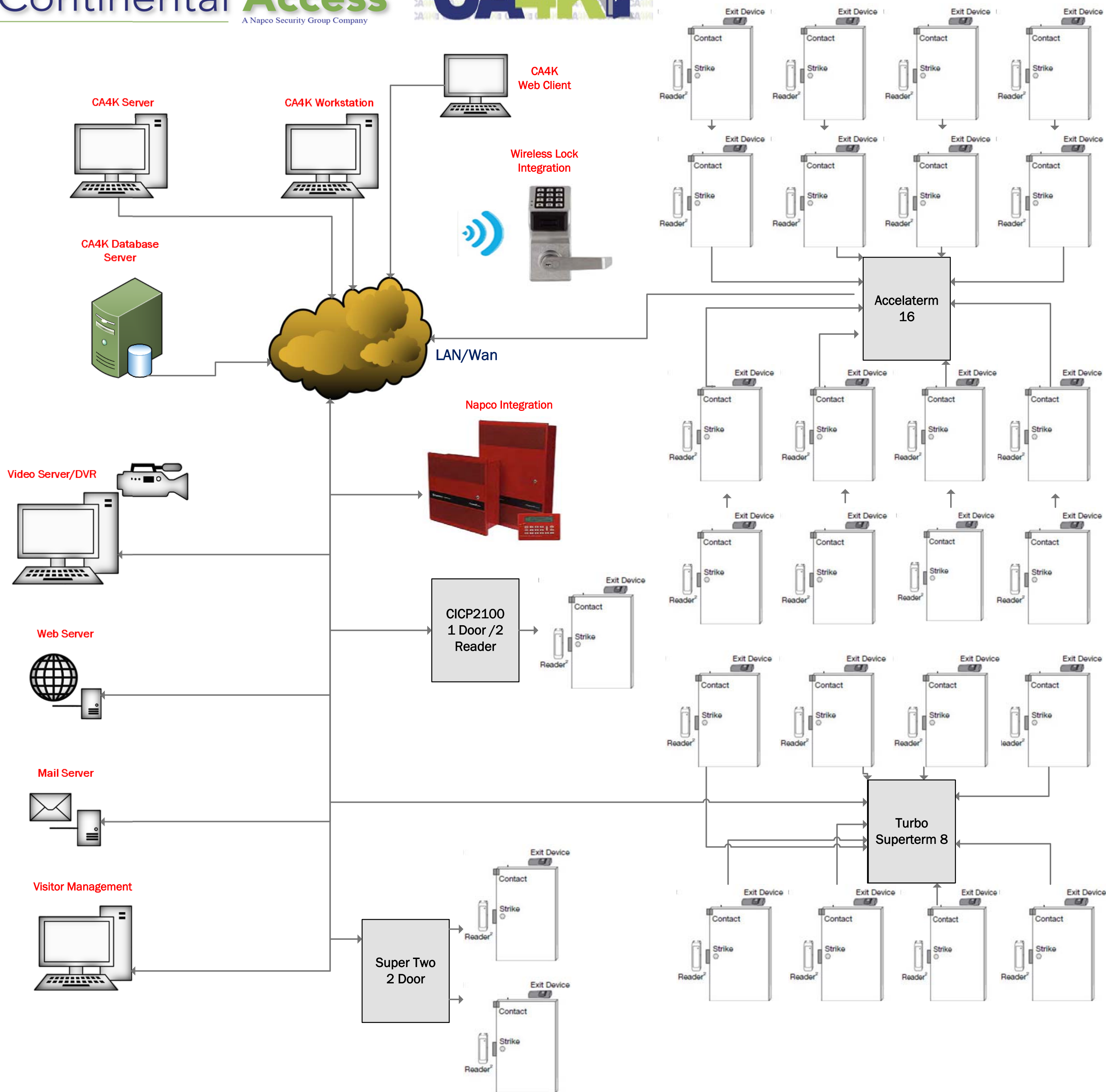
- 1) Set DCE\DTE switch to DTE on Converter. A DB9 F to DB25 F will be provided with Converter to support switch selection.

Model 265 Converter	Panel Polling
TB1/T+	MD/R+
TB1/T-	MD/R-
TB1/R+	MD/T+
TB1/R-	MD/T-



Cable Wiring Pin Assignments

DB9 (com port)	DB25 (converter)
2 Receive data	2 Transmit data
3 Transmit data	3 Receive data
5 Signal Ground	7 Signal Ground



Napco Fusion (CA4K)

System Diagram

by Napco Security Technologies, Inc.

