## Programmable Outputs

<table>
<thead>
<tr>
<th>Reader 1</th>
<th>Reader 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>out 1</strong> (Default: Green LED)</td>
<td><strong>out 2</strong> (Default: Red LED)</td>
</tr>
<tr>
<td><strong>out 3</strong> (Default: Green LED)</td>
<td><strong>out 4</strong> (Default: Red LED)</td>
</tr>
<tr>
<td><strong>out 5</strong> (Default: Buzzer)</td>
<td><strong>out 6</strong> (Default: Buzzer)</td>
</tr>
</tbody>
</table>

## Zone Inputs

<table>
<thead>
<tr>
<th>Without atZ (Zone doubling)</th>
<th>With atZ (Zone doubling)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Z1</strong></td>
<td><strong>Z2</strong></td>
</tr>
<tr>
<td>Default: Contact door 1</td>
<td><strong>Z3</strong></td>
</tr>
<tr>
<td><strong>Z4</strong></td>
<td><strong>Z5</strong></td>
</tr>
<tr>
<td><strong>Z7</strong></td>
<td><strong>Z8</strong></td>
</tr>
<tr>
<td>Default: Contact door 2</td>
<td><strong>Z10</strong></td>
</tr>
<tr>
<td><strong>Z11</strong></td>
<td><strong>Z12</strong></td>
</tr>
<tr>
<td>Default: REX door 1</td>
<td><strong>Z13</strong></td>
</tr>
<tr>
<td><strong>Z15</strong></td>
<td><strong>Z16</strong></td>
</tr>
<tr>
<td>Default: REX door 2</td>
<td><strong>Relays</strong></td>
</tr>
</tbody>
</table>

- **Relay 1** (Onboard) | **Relay 2** (Onboard) |
- **Relay 3** | **Relay 10** |
- **Relay 4** | **Relay 11** |
- **Relay 5** | **Relay 12** |
- **Relay 6** | **Relay 13** |
- **Relay 7** | **Relay 14** |
- **Relay 8** | **Relay 15** |
- **Relay 9** | **Relay 16** |

## Improvements and Built-in Features:

### Centaur Improvements:
- Automatically e-mail scheduled reports
- Card Usage/Card Counter options (see a card up to 255 times on a door)
- Alarm integration: arming/disarming an alarm panel on dual badge/key switch input

### Visitor Management
Centaur Visitor Management will allow you to securely control the comings and goings of all visitors.

### Parking Management
The Centaur Parking Management allows you to quickly see how many parking spaces are used, by which user and how many parking spaces are available in real-time.

### Locator
Monitor the location (inside/outside) of each card holder in real-time. View/Print reports with a click of a button. Obtain detailed card holder information with a double-click of the mouse button. Excellent for muster-point applications.

### Guard Tour Feature
Live interactive guard tour allows check point validation using card readers, input points (Motion sensors, key switches, or push buttons) or data collectors. Includes live alarms for time violations and intuitive exception reports.

### Asset Management Feature
Why buy something that you already have? Keep track of your assets and save time and money. Find quickly who is in possession of your assets. A report can be generated and sent automatically via email.

### Biometric Integration
Centaur is a powerful solution for areas requiring enhanced security by authenticating fingerprints. Capturing, managing and transferring biometric data is now effortless with world-renowned fingerprint readers such as CDVI’s DGID/W/US, L-1 (Model 40), Idenix and more.

### Centaur Video Module (UVR) lets you playback up to 60 seconds before and after a specific event. It also lets you capture a video image (frame) during the playback or live camera viewing in jpeg format.

### New Version 5.1
**In Constant Evolution**

to fulfill your needs

in access control

### New Features in CENTAUR Version 5.1:

#### Guard Tour Feature
Live interactive guard tour allows check point validation using card readers, input points (Motion sensors, key switches, or push buttons) or data collectors. Includes live alarms for time violations and intuitive exception reports.

#### Asset Management Feature
Why buy something that you already have? Keep track of your assets and save time and money. Find quickly who is in possession of your assets. A report can be generated and sent automatically via email.

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#### Centaur 5.1 now supports the following DVR manufacturers:
- Capture
- Dahua
- Dedicated Micros
- Digio
- Digital WatchDog
- Eneo
- Everfocus
- HK Vision
- Intermec
- Microcom
- Milestone
- NSUO
- Samsung
- Sphera
- ViewGate
- Vividtek IP Camera
- Vivotek

#### Improvements and Built-in Features:

- **Guard Tour Feature**
- **Asset Management Feature**
- **Biometric Integration**
- **Biometric Integration**
- **Centaur 5.1 now supports the following DVR manufacturers:**
- **Improvements and Built-in Features:**
- **Improvements and Built-in Features:**
- **Improvements and Built-in Features:**
- **Improvements and Built-in Features:**
- **Improvements and Built-in Features:**
- **Improvements and Built-in Features:**
**Access Levels and Schedules Definition**

Access level 1: __________________________
Schedule 1*: ___________________________

<table>
<thead>
<tr>
<th>Period: S M T W T F S H1 H2 H3 H4</th>
</tr>
</thead>
<tbody>
<tr>
<td>q</td>
</tr>
</tbody>
</table>

Door: 1 2 3 4 5 6 7 8

Access level 2: __________________________
Schedule 2*: ___________________________

<table>
<thead>
<tr>
<th>Period: S M T W T F S H1 H2 H3 H4</th>
</tr>
</thead>
<tbody>
<tr>
<td>q</td>
</tr>
</tbody>
</table>

Door: 1 2 3 4 5 6 7 8

Access level 3: __________________________
Schedule 3*: ___________________________

<table>
<thead>
<tr>
<th>Period: S M T W T F S H1 H2 H3 H4</th>
</tr>
</thead>
<tbody>
<tr>
<td>q</td>
</tr>
</tbody>
</table>

Door: 1 2 3 4 5 6 7 8

Access level 4: __________________________
Schedule 4*: ___________________________

<table>
<thead>
<tr>
<th>Period: S M T W T F S H1 H2 H3 H4</th>
</tr>
</thead>
<tbody>
<tr>
<td>q</td>
</tr>
</tbody>
</table>

Door: 1 2 3 4 5 6 7 8

**Card User Name**

<table>
<thead>
<tr>
<th>CARD NUMBER</th>
<th>ACCESS LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family : Number</td>
<td></td>
</tr>
</tbody>
</table>

- Access level 1: __________________________
- Schedule 1*: ___________________________

- **Period:** S M T W T F S H1 H2 H3 H4
- **Door:** 1 2 3 4 5 6 7 8

- Access level 2: __________________________
- Schedule 2*: ___________________________

- **Period:** S M T W T F S H1 H2 H3 H4
- **Door:** 1 2 3 4 5 6 7 8

- Access level 3: __________________________
- Schedule 3*: ___________________________

- **Period:** S M T W T F S H1 H2 H3 H4
- **Door:** 1 2 3 4 5 6 7 8

- Access level 4: __________________________
- Schedule 4*: ___________________________

- **Period:** S M T W T F S H1 H2 H3 H4
- **Door:** 1 2 3 4 5 6 7 8

* HH:MM to HH:MM

---

**Key Features in Version 5.1**

- **Guard Tour features:** Allows check point validation using card readers, input points (Motion sensors, key switches, or push buttons) or data collectors.
- **Asset Management:** Find quickly who is in possession of your assets and for how long.
- **Biometrics integration:** (CDVI’s DGID/W/US, L-1 model 4G, Sagem and more)
- **Alarm integration:** Arm/disarm an alarm system with a double card swipe
- **Card Usage/Card Counter options:** (use a card up to 255 times on a door)
- **All reports including Time & Attendance reports can be sent automatically by e-mail**
- **Unassign card on period of inactivity (up to 365 days)**
- **New DVR support (see the list on the front page)**
- **Import/export users, cards and all related objects**
- **Manually control doors from event window**
- **New controller standalone functionality**
  - a. Activate relay on access granted, extended access (Disabled person)
  - b. Activate relay on door forced open status
  - c. Activate relay on door open too long status
  - d. Relay follow input (keep light open on movement)
  - e. Maintain door locked/unlocked on valid card (classroom application)
- **Additional filters in Locator**
- **Now support DNS in the controller properties**
- **Added French support in WavePlayer**
- **Parking group:** Reset parking count
- **SAP import for users/cards**
- **When User/Visitor status is changed, it is now reflected on the cards**
- **Support TELACCESS**
- **Support DGLM magnetic stripe reader**
- **Pro-Report features:**
  - b. Paid Break option
  - c. Manual punch option
  - d. New buttons in the punch management dialog (Add, Delete, Modify and etc.).
  - e. New usage billing report
  - f. New access report type (access granted only)
  - g. New option in Tracker Preferences (show valid users only)

---

**Important --- Important**

Please note that Centaur 5.1 version is compatible with Centaur 5.0 Dongles. Firmware update of CT-V900-A will be necessary to perform new 5.1 features. See details below:

- R2-C3-98 - Works with Centaur 5.1 and support up to 8,190 cards
- R2-G3-98 - Works with Centaur 5.1 + LCD Tracker feature and support up to 4,914 cards

---
Every Centaur edition includes a Centaur Server with an administration console plus all these software modules:

- **Pro-Report with Tracker:** On demand, scheduled or customized reports
- **FrontView:** Live interactive floor plans
- **FrontGuard:** Display real-time visual authentication
- **FrontDesk:** Create, modify, delete and print cards, include Photo-ID
- **Locater:** Monitor real-time location of each card holder
- **WavePlayer:** Play a sound on any system event

**Workstation license (CS-WSLIC):**
Centaur supports an unlimited amount of Workstations with any Centaur Software edition. The Workstation license includes: Centaur Administration Console and all software modules.

**Enhanced security dongle. Previous versions NOT supported by Centaur V5.0 and 5.1**
Centaur System Architecture

- **TCP/IP Connection (LAN/WAN)**
  - Centaur built-in modules:
    - **Pro-Report**: Print detailed report
    - **FrontView**: Live interactive floor plans
    - **FrontGuard**: Display real-time visual authentication
    - **FrontDesk**: Create, modify, delete and print cards
    - **Locator**: Monitor card holder location in real-time
    - **WavePlayer**: Play a sound on any system event

- **Optional Workstation(s)**
- **Digital Video Recorder (DVR)**
- **IP Camera**
- **Centaur Door Controller**
- **Burglar Alarm Integration**

**E-bus Network Module Capacity**

- **To PC Centaur Server**
  - See diagram above
- **To other CT-V900-A controllers**

- **LCD Display**
  - CK-TRAK-L
  - (Max. 8 per CT-V900-A)

- **Elevator Controller**
  - CA-A480-A
  - (Max. 8 per CT-V900-A)

- **Relay Expansion Module**
  - CA-A460-P
  - (Max. 2 per CT-V900-A)

- **2-Door Expansion Module**
  - CA-A470-A
  - (Max. 3 per CT-V900-A)

- **Furthest modules can be up to 1220m (4000ft) away from the CT-V900-A**
JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS: EXAMPLE OF RS-485 CONTROLLER NETWORK USING DIRECT CONNECT CONFIGURATION

At the START POINT and the END POINT of the RS-485 controller network, the controllers’ EOL jumpers = ON. All controllers in between EOL = OFF.

At the START POINT of the RS-485 controller network, the controllers’ HIGH/LOW Bias jumpers are set to A+ = LOW and B- = LOW. All other modules’ HIGH/LOW Bias jumpers are set to A+ = HIGH and B- = HIGH.

Example of Jumper Settings:
- **EOL**: Jumper set to EOL, OFF
- **EOL**: Jumper set to EOL, ON
- **HIGH**: Jumper set to HIGH
- **LOW**: Jumper set to LOW

START POINT
- Controller Network
  - Jumper settings: EOL = ON
  - Bias High/Low Jumpers: A+ = Low, B- = Low
  - Addressable dipswitch

END POINT
- Controller Network
  - Jumper settings: EOL = ON
  - Bias High/Low Jumpers: A+ = High, B- = High
  - Addressable dipswitch

TCP/IP
- IP Address: ____________________
- Tel: ________________________

RS-232 NULL modem cable
- Converter (25’ and more)

SITE CONFIGURATION QUICK FORM

Company name: ____________________
Address: _______________________
City: ___________________________
State: __________________________
Zip Code: _______________________
Contact 1: _______________________
Tel: ____________________________

Dealer: __________________________

PC (Centaur server) to controller communication type
- Direct serial port
- Dial Up (modem)
- TCP/IP

<table>
<thead>
<tr>
<th>Doors Name</th>
<th>Reader</th>
<th>Door Contact</th>
<th>Request to Exit</th>
<th>Door Strike</th>
<th>Maglock</th>
<th>Pull Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:</td>
<td>Entry</td>
<td>Exit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Installation Diagram
- 2 Reader/Keypads per CT-V900-A or CA-A470-A

CT-V900-A (1)  CT-A470-A (1)  CT-A470-A (2)  CT-A470-A (3)

Door: ____________  Door: ____________  Door: ____________  Door: ____________
Door: ____________  Door: ____________  Door: ____________  Door: ____________
**PRODUCTS**

<table>
<thead>
<tr>
<th>26-BITS WIEGAND KEYPADS</th>
<th></th>
</tr>
</thead>
</table>

**GALGO/W:** 26-bit Wiegand keypad, integrated Piezo/Buzzer, 12Vdc, potted electronics, polished heavy-duty ZAMAK cast alloy (Zinc, Aluminium, Magnesium and Copper)

**PROXIMITY CARD AND BADGES**
- **BP:** leather key ring badge
- **CS:** Clamshell card
- **ISO:** Printable card
- **BTAG:** Blue polycarbonate key ring badge
- **PP:** Stylish black polycarbonate tear drop badge

**RS-485 to RS-232 CONVERTER - CA-A360-A**

**MODEM**
- **DOOR STRIKE**
  - Strike ANSI fail secure: AR (12VAC/CC) AR24 (24VCC)
  - Strike ANSI fail safe: AR (12VCC) AR24 (24VCC)
  - Strike ANSI continuous fail secure: ARCC (12VCC)
  - Strike EFF-EFF fail secure: AG (12VAC/CC) AG24 (24VCC)
  - Strike EFF-EFF fail safe: AG (12VCC) AG24 (24VCC)
  - Strike EFF-EFF continuous fail secure: AGCC (12VCC)

**ELECTROMAGNETS**
- **VSS:** 11010lbs (500kg) holding force, surface mount, 12/24Vdc
- **VSEI:** 1100lbs (500kg) holding force, sliding door applications, flush mount, 12/24Vdc
- **VSISR:** 1100lbs (500kg) holding force, exterior applications & High-traffic areas, 12/24Vdc
- **CZ3000:** 3000lbs (1500kg) holding force, self-Aligning, 12/24Vdc

**PULL STATION**

**LOCK CONTROL MODULE - CA-A110-P**

**DOOR CONTACT**
- **Flush mount**
- **Surface mount**

**REQUEST TO EXIT**
- **Motion detector**
- **BPEST:** Touch-To-Exit button
- **BEI:** Stainless steel touch-sensitive handle
- **POL:** Touch-sensitive electronics built-in the handle, 14” x 2” (39.5cm x 5cm)
- **EST:** Transforms any metallic surface into a request-to-exit device

**RS-485 NETWORK HUB - CA-A370-P**
- **PIEZO:**
- **SIRENE:**

**BIOMETRIC FINGER PRINT READER (DGID/W)**

**OTHER:**

---

**HARDWARE LIST**

**JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS:**

**EXAMPLE OF RS-485 CONTROLLER NETWORK USING A CA-A360-A CONVERTER**

**Controller Network Jumper settings**
- **EOL= OFF**
- **Bias High/Low Jumpers**
  - A±: Low
  - B±: Low

**Addressable dipswitch**

**START POINT**
- of the RS-485 controller network.
- (Furthest modules can be up to 1220m (4000ft) from start point)

**END POINT**
- of the RS-485 controller network

Since the converter is now the closest to the server, it is the START POINT.

The converter’s EOL jumper is ON by default and its HIGH/LOW bias jumpers are LOW by default.
### Jumper and Addressable Dipswitch Settings: Example of RS-485 E-Bus Network

At the **START POINT** and the **END POINT** of the RS-485 E-bus network, the modules’ EOL jumpers are set to **ON**. All modules in between EOL = **OFF**.

**START POINT**
- B-/ = High
- Jumper settings
- EOL = ON

**END POINT**
- B-/ = Low
- Jumper settings
- EOL = OFF

### Controlled Entry with Free Exit

![Controlled Entry Diagram]

### Controlled Entry and Exit

![Controlled Entry Diagram]

### Hardware List

| Company Name: ____________________________ | Name: ____________________________ |
| Address: ___________________________________ | Title: ____________________________ |
| City: ____________________________ | Tel: ____________________________ |
| State: ____________________________ | Cell: ____________________________ |
| Zip Code: ____________________________ | E-mail: ____________________________ |

### Products

<table>
<thead>
<tr>
<th>2-Door Controller - CT-V900-A</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Door Expansion Module - CA-A470-A (3 max. per CT-V900-A controller)</td>
<td></td>
</tr>
<tr>
<td>CDV1150 Transformer: 16VAC and 24VAC 150VA</td>
<td></td>
</tr>
<tr>
<td>(One CDV1150 transformer can supply one CT-V900-A and tree CA-A470-A)</td>
<td></td>
</tr>
</tbody>
</table>

**Proximity Reader with Multiple Protocols Built-In**

- DGLP FN WLC: Multi-Technology Polycarbonate proximity reader
- DGLP WLC: Multi-Technology Polycarbonate proximity reader
- DGLI F WLC: Multi-Technology Stainless steel proximity reader
- DGLI WLC: Multi-Technology Stainless steel proximity reader
JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS:
EXAMPLE WITH THE CT-V900-A NO LONGER THE START POINT

This example depicts an existing RS-485 E-bus network with 1 CA-A470-A and 2 CA-A480-A to which we are adding a CA-A470-A after the initial installation.

In our example the END POINT, the CA-A480-A, is at 914m (3000ft) from the CT-V900-A and the new CA-A470-A module you would like to add is 30m (100ft) from the CT-V900-A.

The flexibility of the RS-485 E-bus network jumpers permits you to locate the new CA-A470-A close to the CT-V900-A by simply re-configuring jumper settings of the new START POINT and what was the start point before.

This permits you to have a 30m (100ft) cable run instead of 914m (3000ft).
JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS:
EXAMPLE OF RS-485 CONTROLLER NETWORK USING
DIRECT CONNECT CONFIGURATION

At the START POINT and the END POINT of the RS-485 controller network, the controllers’ EOL jumpers = ON. All controllers in between EOL = OFF.

At the START POINT of the RS-485 controller network, the controllers’ HIGH/LOW Bias jumpers are set to A+ = LOW and B- = LOW. All other modules’ HIGH/LOW Bias jumpers are set to A+ = HIGH and B- = HIGH.

SITE CONFIGURATION QUICK FORM

Company name: __________________________ Contact 2: __________________________
Address: ________________________________ Tel: _______________________________
City: _________________________________ Contact 3: __________________________
State: _________________________________ Tel: _______________________________
Zip Code: _________________________________ Dealer: __________________________
Contact 1: __________________________ Tel: _______________________________

PC (Centaur server) to controller communication type

- Direct serial port
- RS-232 NULL modem cable
- Dial Up (modem)
- Modern number: __________________________
- TCP/IP
- IP Address: __________________________

<table>
<thead>
<tr>
<th>Doors Name</th>
<th>Reader</th>
<th>Door Contact</th>
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<th>Pull Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>2:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>3:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>4:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>5:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>6:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>7:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>8:</td>
<td>✗ Entry ✗ Exit</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
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</tr>
</tbody>
</table>

INSTALLATION DIAGRAM

2 Reader/Keypads per CT-V900-A or CA-A470-A
**ACCESS LEVELS AND SCHEDULES DEFINITION**

**Access level 1:** __________________________

**Schedule 1**: ___________________________

**Period:**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
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<tbody>
<tr>
<td>❌</td>
<td>❌</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

**Door:** 1 2 3 4 5 6 7 8

| Q | Q | Q | Q | Q | Q | Q |

**Access level 2:** __________________________

**Schedule 2**: ___________________________

**Period:**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

**Door:** 1 2 3 4 5 6 7 8

| Q | Q | Q | Q | Q | Q | Q |

**Access level 3:** __________________________

**Schedule 3**: ___________________________

**Period:**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

**Door:** 1 2 3 4 5 6 7 8

| Q | Q | Q | Q | Q | Q | Q |

**Access level 4:** __________________________

**Schedule 4**: ___________________________

**Period:**

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

**Door:** 1 2 3 4 5 6 7 8

| Q | Q | Q | Q | Q | Q | Q |

---

**CARD USER NAME**

<table>
<thead>
<tr>
<th>CARD NUMBER</th>
<th>ACCESS LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family : Number</td>
<td></td>
</tr>
</tbody>
</table>

1: 
2: 
3: 
4: 
5: 
6: 
7: 
8: 
9: 
10: 
11: 
12: 
13: 
14: 
15: 
16: 
17: 
18: 
19: 
20: 

---

**KEY FEATURES IN VERSION 5.1**

- Guard Tour features: Allows check point validation using card readers, input points (Motion sensors, key switches, or push buttons) or data collectors.
- Asset Management, find quickly who is in possession of your assets and for how long.
- Biometrics integration (CDVI’s DGID/W/US, L-1 model 4G, Sagem and more)
- Alarm integration: Arm/disarm an alarm system with a double card swipe
- Card Usage/Card Counter options (use a card up to 255 times on a door)
- All reports including Time & Attendance reports can be sent automatically by e-mail
- Unassign card on period of inactivity (up to 365 days)
- New DVR support (see the list on the front page)
- Import/export users, cards and all related objects
- Manually control doors from event window
- New controller standalone functionality
  a. Activate relay on access granted, extended access (Disabled person)
  b. Activate relay on door forced open status
  c. Activate relay on door open too long status
  d. Relay follow input (keep light open on movement)
  e. Maintain door locked/unlocked on valid card (classroom application)
- Additional filters in Locator
- Now support DNS in the controller properties
- Added French support in WavePlayer
- Parking group: Reset parking count
- SAP import for users/cards
- When User/Visitor status is changed, it is now reflected on the cards
- Support TELACCESS
- Support DGLM magnetic stripe reader
- Pro-Report features:
  b. Paid Break option
  c. Manual punch option
  d. New buttons in the punch management dialog (Add, Delete, Modify and etc.).
  e. New usage billing report
  f. New access report type (access granted only)
  g. New option in Tracker Preferences (show valid users only)

---

**IMPORTANT --- IMPORTANT**

Please note that Centaur 5.1 version is compatible with Centaur 5.0 Dongles.
Firmware update of CT-V900-A will be necessary to perform new 5.1 features. See details below:

- R2-C3-98 - Works with Centaur 5.1 and support up to 8,190 cards
- R2-G3-98 - Works with Centaur 5.1 + LCD Tracker feature and support up to 4,914 cards
**JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS: EXAMPLE OF RS-485 E-BUS NETWORK**

At the **START POINT** and the **END POINT** of the installation, the modules' EOL jumpers = ON. All modules in between EOL = OFF.

At the **START POINT** of the network, the modules' HIGH/LOW Bias jumpers are set to A+ = LOW and B- = LOW. All other modules' HIGH/LOW Bias jumpers are set to A+ = HIGH and B- = HIGH.

**END POINT** of the RS-485 E-bus network

---

**COMPANY INFORMATION**

- **Company Name:**
- **Name:**
- **Address:**
- **City:**
- **State:**
- **Zip Code:**
- **Tel:**
- **Cell:**
- **E-mail:**

---

**DOOR TYPE**

**CONTROLLED ENTRY WITH FREE EXIT**

**CONTROLLED ENTRY AND EXIT**

---

**PRODUCTS**

<table>
<thead>
<tr>
<th>PRODUCMTS</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2-DOOR CONTROLLER - CT-V900-A</strong> (3 max. per CT-V900-A controller)</td>
<td></td>
</tr>
<tr>
<td>12V-7Ah battery (You need 2 per CT-V900-A and 1 per CA-A470-A or CA-A480-A)</td>
<td></td>
</tr>
<tr>
<td>CDVI150 Transformer: 16VAC and 24VAC 150VA (One CDVI150 transformer can supply one CT-V900-A and tree CA-A470-A)</td>
<td></td>
</tr>
<tr>
<td><strong>PROXIMITY READER WITH MULTIPLE PROTOCOLS BUILT-IN</strong></td>
<td></td>
</tr>
<tr>
<td>DGLP FN WLC: Multi-Technology Polycarbonate proximity reader</td>
<td></td>
</tr>
<tr>
<td>DGLP WLC: Multi-Technology Polycarbonate proximity reader</td>
<td></td>
</tr>
<tr>
<td>DGLI F WLC: Multi-Technology Stainless steel proximity reader</td>
<td></td>
</tr>
<tr>
<td>DGLI WLC: Multi-Technology Stainless steel proximity reader</td>
<td></td>
</tr>
</tbody>
</table>
26-BITS WIEGAND KEYPADS

GALOG/W: 26-bit Wiegand keypad, integrated Piezo/Buzzer, 12Vdc, potted electronics, polished heavy-duty ZAMAK cast alloy (Zinc, Aluminium, Magnesium and Copper)

PROXIMITY CARD AND BADGES
- BP: leather key ring badge
- CS: Clamshell card
- ISO: Printable card
- BTAG: Blue polycarbonate key ring badge
- PP: Stylish black polycarbonate tear drop badge

RS-485 to RS-232 CONVERTER - CA-A360-A
RS-485 to USB/RS-232 CONVERTER - CA-A360-USB
RS-232 TCP/IP CONVERTER - CA-ETHR-A

MODEM

DOOR STRIKE
- Strike ANSI fail secure: QAR (12VAC/CC) QAR24 (24VCC)
- Strike ANSI fail safe: QARI (12VCC) QARI24 (24VCC)
- Strike ANSI continuous fail secure: QARCC (12VCC)
- Strike EFF-EFF fail secure: QAG (12VAC/CC) QAG24 (24VCC)
- Strike EFF-EFF fail safe: QAGI (12VCC) QAGI24 (24VCC)
- Strike EFF-EFF continuous fail secure: QAGCC (12VCC)

ELECTROMAGNETS
- VSS: 1100lbs (500kg) holding force, surface mount, 12/24Vdc
- VSEI: 1100lbs (500kg) holding force, sliding door applications, flush mount, 12/24Vdc
- VSISR: 1100lbs (500kg) holding force, exterior applications & High-traffic areas, 12/24Vdc
- CZ3000: 3000lbs (1500kg) holding force, self-Aligning, 12/24Vdc

PULL STATION

LOCK CONTROL MODULE - CA-A110-P

DOOR CONTACT
- Request mount
- Surface mount

REQUEST TO EXIT
- Motion detector
- BEPI: Touch-to-Exit button
- BEI: Stainless steel touch-sensitive handle
- TOL: Touch-sensitive electronics built-in in the handle, 14" x 2" (39.5cm x 5cm)
- EST: Transforms any metallic surface into a request-to-exit device

RS-485 NETWORK HUB - CA-A370-P
- PIEZO
- BIOMETRIC FINGER PRINT READER (DGID/W)

OTHER:

JUMPER AND ADDRESSABLE DIPSWITCH SETTINGS:
EXAMPLE OF RS-485 CONTROLLER NETWORK USING A CA-A360-A CONVERTER

Since the converter is now the closest to the server, it is the START POINT.

The converter’s EOL jumper is ON by default and its HIGH/LOW bias jumpers are LOW by default.
### CT-V900-A Door Hardware

#### Double-Door Option
- **Door Contact**: Surface
- **Flush**: 24V
- **Electromagnet**: 24V
- **Fail Safe**: Fail Secure
- **Door Strike**: 24V
- **Motion Detector**: Request-to-Exit (REX)
- **Pull Station**: Reader Technology
- **Push Button**: Keypad Technology
- **Push Bar/Crash Bar**: Reader Technology

#### Door Programming
- **Unlock Schedule (Optional)**
  - **Schedule time (HH:MM)**: __________
  - **Days**: S M T W T F S

- **Interlock (Man-Trap)**
  - With door (input): __________

- **Options**
  - **Unlock on late open**
  - **Time and attendance**
  - **Sign-Out reader (Visitor)**

### Every Centaur edition includes a Centaur Server with an administration console plus all these software modules:
- **Pro-Report with Tracker**: On demand, scheduled or customized reports
- **FrontView**: Live interactive floor plans
- **FrontGuard**: Display real-time visual authentication
- **FrontDesk**: Create, modify, delete and print cards, include Photo-ID
- **Locator**: Monitor real-time location of each card holder
- **WavePlayer**: Play a sound on any system event

### Workstation license (CS-WSLIC):
Centaur supports an unlimited amount of Workstations with any Centaur Software edition. The Workstation license includes: Centaur Administration Console and all software modules.

### Enhanced security dongle. Previous dongle NOT supported by Centaur V5.0 and 5.1
### Programmable Outputs

<table>
<thead>
<tr>
<th>READER 1</th>
<th>READER 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Out 1</td>
<td>Out 3</td>
</tr>
<tr>
<td>(Default: Green LED)</td>
<td>(Default: Green LED)</td>
</tr>
<tr>
<td>Out 2</td>
<td>Out 4</td>
</tr>
<tr>
<td>(Default: Red LED)</td>
<td>(Default: Red LED)</td>
</tr>
<tr>
<td>Out 5</td>
<td>Out 6</td>
</tr>
<tr>
<td>(Default: Buzzer)</td>
<td>(Default: Buzzer)</td>
</tr>
</tbody>
</table>

### Zone Inputs

<table>
<thead>
<tr>
<th>Without ATZ (Zone Doubling)</th>
<th>With ATZ (Zone Doubling)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z1</td>
<td>Z2</td>
</tr>
<tr>
<td>Default: Contact door 1</td>
<td></td>
</tr>
<tr>
<td>Z3</td>
<td>Z4</td>
</tr>
<tr>
<td>Default: REX door 1</td>
<td></td>
</tr>
<tr>
<td>Z5</td>
<td>Z6</td>
</tr>
<tr>
<td>Z7</td>
<td>Z8</td>
</tr>
<tr>
<td>Z9</td>
<td>Z10</td>
</tr>
<tr>
<td>Default: Contact door 2</td>
<td></td>
</tr>
<tr>
<td>Z11</td>
<td>Z12</td>
</tr>
<tr>
<td>Default: REX door 2</td>
<td></td>
</tr>
<tr>
<td>Z13</td>
<td>Z14</td>
</tr>
<tr>
<td>Z15</td>
<td>Z16</td>
</tr>
</tbody>
</table>

### Relays

#### Adding One Relay Expansion

<table>
<thead>
<tr>
<th>Relay 1 (Onboard)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relay 3</td>
</tr>
<tr>
<td>Relay 4</td>
</tr>
<tr>
<td>Relay 5</td>
</tr>
<tr>
<td>Relay 6</td>
</tr>
<tr>
<td>Relay 7</td>
</tr>
<tr>
<td>Relay 8</td>
</tr>
<tr>
<td>Relay 9</td>
</tr>
</tbody>
</table>

#### Adding a Second Relay Expansion

<table>
<thead>
<tr>
<th>Relay 2 (Onboard)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relay 10</td>
</tr>
<tr>
<td>Relay 11</td>
</tr>
<tr>
<td>Relay 12</td>
</tr>
<tr>
<td>Relay 13</td>
</tr>
<tr>
<td>Relay 14</td>
</tr>
<tr>
<td>Relay 15</td>
</tr>
<tr>
<td>Relay 16</td>
</tr>
</tbody>
</table>
**Electromagnetic Lock or Door Strike Option**

**ALARM SOUNDER**

**Controller Inputs (Up to 16 per controller)**

**Controller Network (RS-485)**

To next controller of a site.

---

**E-Bus Expansion Module Capacity**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Door Expansion Module (CA-A470-A)</td>
<td>3</td>
</tr>
<tr>
<td>Relay Expansion Module (CA-A460-P)</td>
<td>2</td>
</tr>
<tr>
<td>Elevator Controller (CA-A480-A)</td>
<td>8</td>
</tr>
<tr>
<td>LCD Keypad (CK-TRAK-L)</td>
<td>8</td>
</tr>
</tbody>
</table>

---

**Equipment**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Wire Type</th>
<th>Size</th>
<th>Max. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card reader (1 LED or 1 LED &amp; Buzzer) and Wiegand keypad</td>
<td>6 conductors, shielded (6ft), drain conductor. Belden: 5304FE</td>
<td>18AWG</td>
<td>150m (500ft.)</td>
</tr>
<tr>
<td>Card reader (2 LEDs &amp; Buzzer)</td>
<td>8 conductors, shielded (6ft), drain conductor. Belden: 5304FE</td>
<td>18AWG</td>
<td>150m (500ft.)</td>
</tr>
<tr>
<td>Zone input</td>
<td>4 conductors, copper (UKT)</td>
<td>22AWG</td>
<td>600m (2000ft.)</td>
</tr>
<tr>
<td>Door strike &amp; AC transformer for controller</td>
<td>2 conductors, solid copper</td>
<td>18AWG</td>
<td>150m (500ft.), AC transformer: 8m (25ft.)</td>
</tr>
<tr>
<td>Ethernet CAT 5e, 4 pairs</td>
<td>24AWG</td>
<td></td>
<td>1220m (4000ft.)</td>
</tr>
</tbody>
</table>

---

**Transformer CDV150**

24 Vac., 75VA

Also includes an output of 16 VAC/50VA that can power up to 2 2-door expansion modules CA-A470-A

---

**Tamper Switch**

N.C. Contact

Connect earth terminal to a certified earth ground

2 batteries (12V 7Ah) connected in series for 24V backup

---

**Lock Control Module (optional)**

CA-A110-P

---

**Power Supply**

---

**Card Reader Wiring**

May differ from diagram. Please consult your documentation for details.

---

**Reader Installations**

May differ from diagram. Please consult your documentation for details.