

AC3 Access Control

The AC3 provides programmed access control using CBAS Access Control software. The point count is perfect for single door control. Use several together in places like garages where more than one reader is required. And the AC3's small footprint makes it perfect for hard to reach enclosures. A seven segment keypad requiring a PIN number can also be added for extra security. The flexible Wiegand input allows inputs from an array of card reader vendors including proximity, bar code, and magnetic strip readers.

Product Highlights

Scalability

The AC3 can support upwards of 20,000 users; can hold a 5000 transactions buffer.

Intuitive Design

The unique terminal board design allows the AC3 to be removed and replaced without disturbing the terminal board connections.

Wiegand Compatible

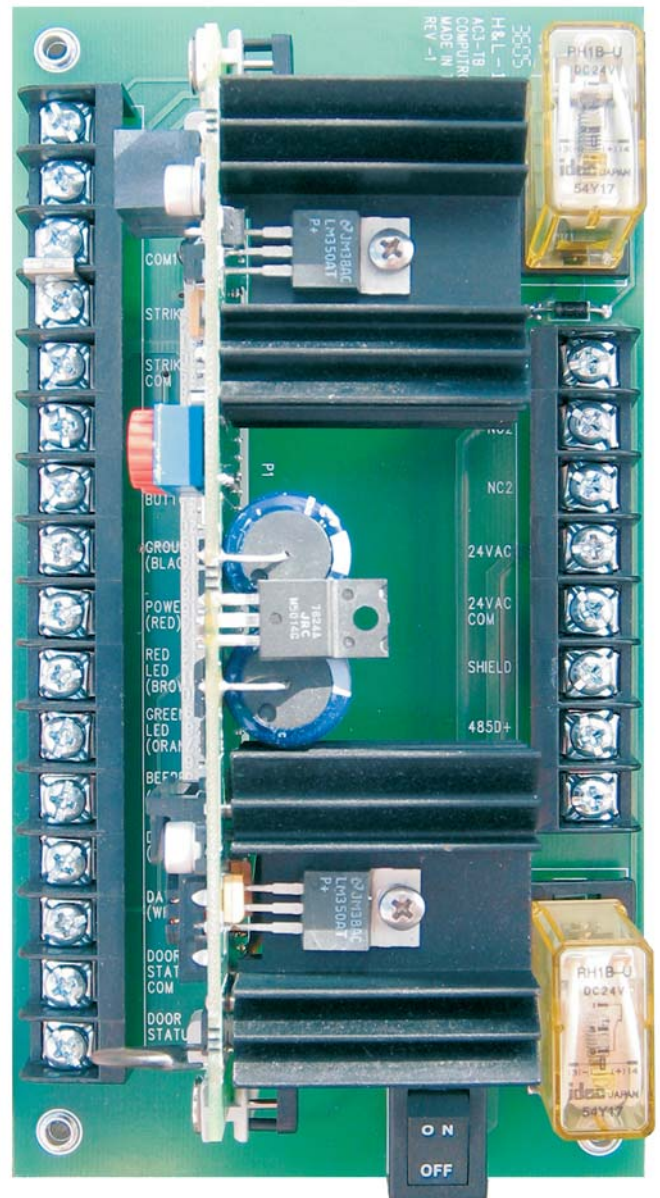
The AC3 works with the standard 26-bit Wiegand format as well as with other popular Wiegand formats and features a bi-directional Wiegand interface for advanced Wiegand devices such as biometric readers.

Voltage Command

The AC3 features a fully programmable strike voltage output and a separate, fully programmable, voltage source for powering card readers. Both of these voltage outputs can be commanded through the software interface to any voltage between 5VDC and 24VDC to match the wide variety of card readers and strikes available on the market today.

CBAS Ready

The AC3 works with Computrols' well-known CBAS Access Control Software to offer a full range of features normally associated only with larger and more expensive systems. Features like "Remote Download" capability, "Self-Diagnostics," and multiple mounting options.



Specifications

Dimensions	<ul style="list-style-type: none"> • AC3 Terminal Board: 7.5"x 4" • AC3: 1.625"x 5.5"x 2" 	Connections	<ul style="list-style-type: none"> • Two supervised inputs. • Two independent driver outputs for external relays. • Two independent sets of NO/NC relay contacts.
Self-Diagnostics	Distributed architecture with local computing power on all modules allows full featured run-time diagnostics such as overload and under/over voltage detection on the strike voltage output, and on the supply voltage for the card reader.	Inputs/Outputs	<ul style="list-style-type: none"> • Reader Input: Allows any standard Wiegand input using 26, 34, or 36 bit protocols • Supervised Inputs: Use a 1.9K Ohm terminating resistor • Dual Independent Power Relays
CPU	Powerful 25 MIP throughput central processor allows standalone operation	Control Functions	<ul style="list-style-type: none"> • Fast Card Look-Up • Scheduled access • Anti-pass back for garages
Power	<ul style="list-style-type: none"> • 24VAC @ 1A quiescent • 1.3A (all outputs at rated capacity) • Transient voltage protected 	Communications	<ul style="list-style-type: none"> • RS485 OPTO Communications • Transient voltage protected • Overvoltage and short-circuit protected • Two LED traffic indicators
Power Supply	<ul style="list-style-type: none"> • Built-in, programmable power supplies for the card reader and door strike can both be set to any voltage between 5VDC and 24VDC through CBAS to match commercially available card readers or door strikes, respectively. • Voltage read-back allows the AC3 to detect overload conditions on power supply. • Switching power supply provides cool and efficient operation for internal circuits. 	Memory	<ul style="list-style-type: none"> • 256 Bytes Internal Data RAM • 1024 Bytes XRAM • 8k Bytes FLASH; In-System Programmable in 512 byte Sectors
Software	Computrols' well-known CBAS software provides a powerful and easy to use interface to the AC3's powerful feature set.	Environmental	<ul style="list-style-type: none"> • Operating temperature: 32°–102°F • Storage temperature: -8°–117°F • Humidity: 0–95%, non-condensing

Compatibility

Door Strikes	<p>Voltage: 5VDC through 24VDC</p> <p>Hold Current: 1.3A @ 20°C</p> <p>Inrush Current: 4.5A for 20 μsec @ 25°C</p>
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Parts and Accessories

Part Number	Description
AC3	AC3
M32-24	Magnetic Door Lock
DS160	PIR Motion Detector
AC2-1	Access Controller
944SP	Door Alarm Contacts
EEB2	Exit Push Button
FP2231A	Proximity Card Reader (Black)