THOMAS
Access Control Systems

TA-2456
Ultra Access Control System

Specifications

Hardware

- Supported Reader Types: TAC Biometric, TAC iButon, Wiegand compatible.
- Warranty: One year
- Communications: RS-485, single pair, stranded, twisted overall shield, 18-20 AWG, 2000 ft. max., Ethernet TCP/IP
- Lock Output: Form "C" Relay, 30VDC @ 1A
- Two Aux. Outputs: Form "C" Relay, 30VDC @ 1A
- Handicap Button Input: normally open, momentary closure
- Exit Button Input: normally open, momentary closure
- Door Contact Input: normally closed
- Operating Temp: -35°C to 70°C
- Power Requirements: 12VDC, 250 mA (not including lock/reader)

Software

- Operating System: Windows 95/98/ME/NT/2000/XP
- Reader Capacity: 60 doors / 120 readers (includes Exit readers)
- Cardholder Capacity: 4800
- Access Schedule: 6 User Programmable
- Access Profile: 1000 User Programmable
- Unlock Schedule: 60 User Programmable
- Timed Anti-Passback: 1 to 255 minutes
- Holidays: 60 User Programmable

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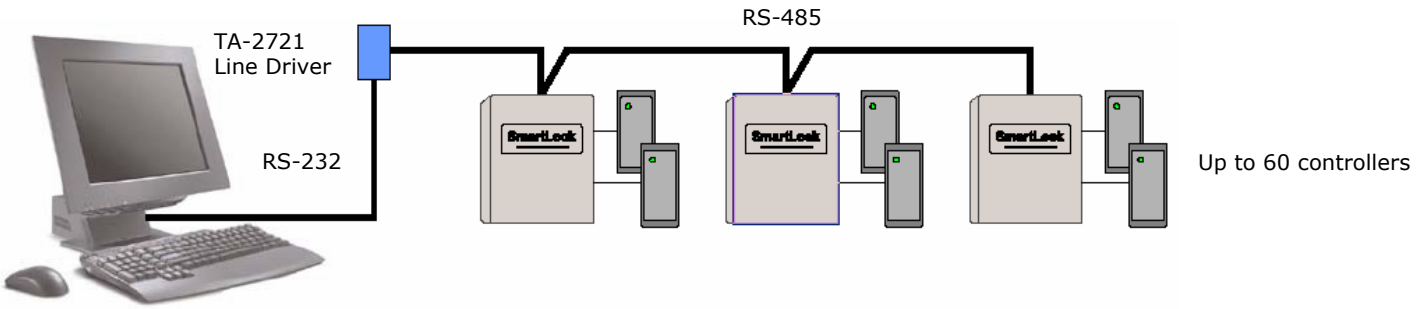
Ultra is an extremely cost-effective access control system utilizing single door controllers and very easy to use Windows-based data management software. The system is capable of controlling access to 60 doors and 4800 cardholders with all the functionality required for basic applications. Ultra is available in Proximity, iButton™ or Biometric reader packages that include readers, controllers, and cabinet. Up to two controllers can be mounted in a single cabinet with a DC power supply and backup battery. The Ultra controller also supports industry standard 26 Bit Wiegand formats so it can be used with virtually all reader technologies on the market.



Each controller is equipped with three Form "C" relay outputs. One to control an Electric Lock, and two additional outputs that can be configured to control a Power Door Operator, and/or provide a means to annunciate Forced Entry/Door Held Open conditions. Inputs are also provided for an Egress Button, a Handicap Button and a Door Contact. When the Door Contact Input is connected, the reader will automatically relock the door once it re-closes. In addition, an audible alert can be generated if the door is held open longer than a specified time. If controlled egress is desired, an Exit Reader can be connected that is audited separately.

Voiding and validating cards is accomplished using Ultra Software. This intuitive application is so easy to use; it can literally be mastered with just 30 minutes of instruction. The administrator sets up the cardholder database on the PC utilizing programmable Access Schedules and Access Profiles. The Access Profile defines the readers and time intervals that the user is allowed access. Within each cardholder record, the administrator simply links an Access Profile to the user. For example, a user may be assigned a "Manager" profile which grants access to all readers at all times. When any programming changes are made, they are instantly transmitted to the door controllers. As reader transactions occur, they are automatically transmitted and stored on the PC for viewing at any time.

The software also provides the ability to program/deny access during any of the 60 programmable Holidays. An "Unlock Privilege" may also be granted to cardholders on an individual reader basis. This feature allows selected cardholders to maintain doors in an unlocked state by using their card twice in rapid succession. To relock the door, any cardholder with "Unlock Privilege" simply uses their card again twice. The software also provides the ability to issue Unlock, Relock, and Temporary Unlock commands to one or multiple readers simultaneously. Unlock Schedules can be programmed to unlock and relock doors automatically.

The "First Man In" feature can also be used in conjunction with Unlock Schedules to prevent doors from automatically unlocking without prior entry of an authorized user.

Ultra also supports a Timed Anti-Passback feature. Each controller can be programmed with a time interval from 1 to 255 minutes that will deny access to cards which are used more than once during the interval. This deters cardholders from "passing back" their card, particularly in parking applications. Ultra controllers can also communicate via LAN/WAN using TAC's CanLan TCP/IP Controller. This built-in functionality simplifies remote management and can greatly reduce the installation cost associated with a hard-wired system.

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