

ACTpro 3000

Card access door controller

ACT

Access Control Technology

Product Overview

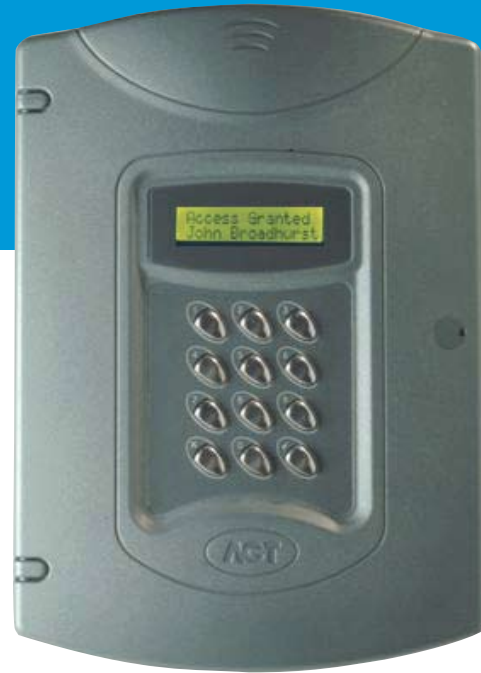
The ACTpro 3000 is a two door controller extending to a total of sixteen doors via ACTpro 100/200 door expanders. In turn up to 128 ACTpro 3000s may be networked via a PC interface to facilitate up to 2000 doors. The ACTpro 3000 can be configured and be maintained standalone or through ACTWin pro PC software. The ACTpro 3000 may be networked via RS485 or the built in TCP/IP capability.

Main Features

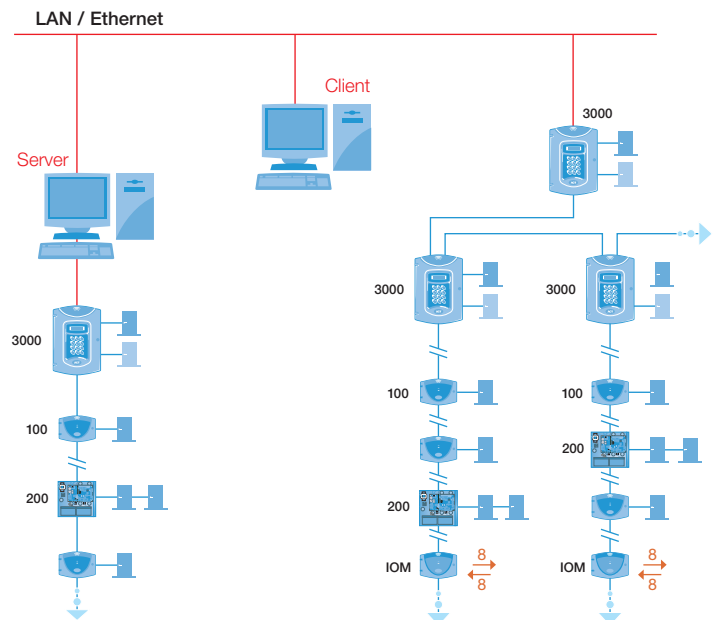
- 2 door controller expandable to 16 doors via a network of ACTpro 100/200 door expanders
- The ACTpro 3000 may be in turn networked with other ACTpro 3000s to create a network of up to 2000 doors
- Built in TCP/IP 10 Base-T Ethernet
- RS485 output to network ACTpro 100/200 door expanders
- RS485 input to network with other ACTpro 3000s
- 30,000 users
- 1000 user groups
- 256 time zones
- Flash upgradeable firmware
- Timed anti passback
- Entry and exit reader support
- DDA individual timer facility

Installation / Specification Guidelines

- The ACTpro 3000 requires a 12 volt dc supply
- The controller may not be installed outdoors unless it is in a sealed and heated cabinet
- The ACTpro 3000 is expanded from 2 to 16 doors via single door ACTpro 100/200 expanders
- The ACTpro 3000 controller may be networked via RS485 to expand the system up to 2000 doors maximum
- The maximum amount of ACTpro 3000s per RS485 output is 32 (ACT supply a 4x485 or 1x485 interface for PC networks)
- The ACTpro 3000 is compatible with ACTWin pro and ACTWin pro Lite software packages
- The ACTpro 3000 will operate standalone or can be connected to a PC
- For comparisons to our other controllers please check the comparison chart on the back page



ACTpro 3000



ACTpro 1000/2000/3000 Controllers and ACTpro 100 expander require a 12 volts DC supply

ACTpro 3000 System Schematic

ACTpro 3000

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Product Specification

| | |
|------------------------|-------------------|
| Operating Voltage: | 12 Volts DC |
| Current Consumption: | 210/400 mA |
| Weight: | 700 grams |
| Operating Temperature: | 0 to +50 C |
| Dimensions (HxWxD): | 270 x 190 x 60 mm |
| Mounting: | Surface |
| Installation: | Indoor |



ACT3000 Controller

Cabling Chart

| From | To | Cable | Restriction |
|-------------------------|-------------------------|------------------------------|----------------------------------|
| Reader | Controller | 8 core screen | 30m at 5volts 100m at 12volts |
| ACTpro 100/200 | ACTpro 2000 | Twisted screen pair or Cat 5 | Maximum 1.4km |
| ACTpro 3000 | PC Direct RS232 | Twisted screen pair or Cat 5 | Maximum 30m |
| ACTpro 3000 | Network RS485 interface | Twisted screen pair or Cat 5 | Maximum 1.4km |
| Network RS485 interface | PC | Cable supplied | Maximum 30m |

Ordering Information

| | |
|--------------------------------|--------------------------------------|
| Controller | ACTpro 3000 |
| Door Expander | ACTpro 100/200 |
| I/O Module | ACTpro IOM |
| Single channel RS485 interface | ACT Net IF-1 (requires 12vdc supply) |
| Four channel interface | ACT Net IF-4 (Built in PSU) |
| Lantronix | ACT LAN |
| 56k modem | ACT 56K Modem |

ACTpro products comparison chart

| Feature | ACTpro 1000 | ACTpro 2000 | ACTpro 3000 |
|--------------------------------------|-------------|-------------|------------------|
| Doors | 1 | 2 | 2 |
| Users | 10,000 | 20,000 | 30,000 |
| User Groups | 16 | 1000 | 1000 |
| Time Zones | 16 | 128 | 256 |
| Event Log | 500 | 5000 | 5000 |
| Anti passback | | Yes | Yes |
| Timed anti passback | | | Yes |
| Entry and exit reader support | Yes | Yes | Yes |
| Timed actions | Yes | Yes | Yes |
| Interlock | Yes | Yes | Yes |
| Intruder Alarm System Integration | | Yes | Yes |
| User tracking | | Yes | Yes |
| Clock & Data or Wiegand auto detect | Yes | Yes | Yes |
| Card only operation | Yes | Yes | Yes |
| Card or pin | | Yes | Yes |
| Card and pin | Yes | Yes | Yes |
| Auxiliary door operation | Yes | | |
| Door monitoring | Yes | Yes | Yes |
| Door control | Yes | Yes | Yes |
| DDA extended timer facility | Yes | Yes | Yes |
| Backlight | Yes | Yes | Yes |
| Automatic daylight saving adjustment | | Yes | Yes |
| Fire alarm override | Yes | Yes | Yes |
| Toggle mode | Yes | Yes | Yes |
| Door relay output | 5 amp | 5 amp | 5 amp |
| Auxiliary relay output | | 1 amp | 1 amp |
| Programmable inputs | 2 (100 mA) | 2 (100 mA) | 2 (100 mA) |
| Programmable outputs | 2 (100 mA) | 2 (100 mA) | 2 (100 mA) |
| Tamper & low voltage output | Yes | Yes | Yes |
| Network doors | 256 max | 2,000 max | 2,000 max |
| Modem connection | Yes | Yes | Yes |
| Built in TCP/IP | | | Yes |
| TCP/IP compatible | Yes | Yes | Yes |
| Ethernet Network Interface | | | 10 Base-T (RJ45) |



ACT LAN



ACTpro IOM



ACTpro 200 2 Door Expander



ACTpro 100 Door Expander



56k Modem



4 channel RS485 Interface



Single channel RS485 Interface