

ACTpro 1000

Card access door controller

ACT

Access Control Technology

Product Overview

The ACTpro 1000 is a single door controller with the capacity for 10,000 users. The LCD display and backlit keypad facilitate ease of use for the installer and system administrator. The ACTpro 1000 operates in Standalone mode or may be networked to a PC using the ACTWin pro application.

Main Features

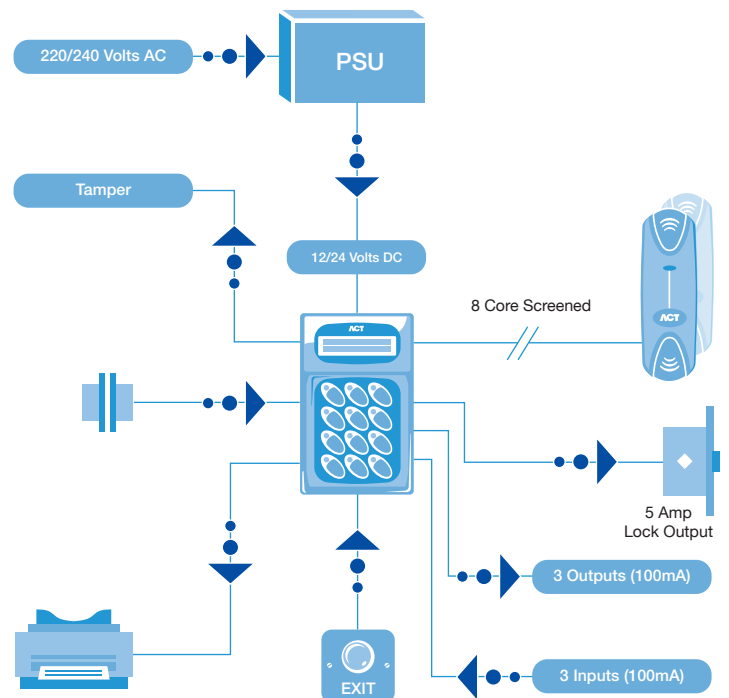
- Single door controller
- The ACTpro 1000 may be in turn networked with other ACTpro 1000s to create a network of up to 256 doors
- RS485 interface to network controllers
- 10,000 users
- 16 user groups
- 16 time zones
- Entry and exit reader support
- 500 event log
- 1000 user codes (Pin Only)

Installation / Specification Guidelines

- The ACTpro 1000 requires a 12 volt dc supply
- The controller may not be installed outdoors unless it is in a sealed and heated cabinet
- The ACTpro 1000 controller may be networked via RS485 to expand the system up to 256 doors maximum
- The maximum amount of ACTpro 1000s per RS485 output is 32 (ACT supply a 4x485 or 1x485 interface for PC networks)
- The ACTpro 1000 is compatible with ACTWin pro and ACTWin pro Lite software packages
- The ACTpro 1000 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 1000



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

ACTpro 1000 System Schematic

ACTpro 1000

Card access door controller

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Product Specification

Operating Voltage:	12 Volts DC
Current Consumption:	40 - 150 mA
Weight:	750 grams
Operating Temperature:	0 to +50 C
Dimensions (HxWxD):	138 x 87 x 37 mm
Mounting:	Surface or Flush



ACTpro 1000 Controller

Cabling Chart

From	To	Cable	Restriction
Reader	Controller	8 core screen	30m at 5volts 100m at 12volts
ACTpro 1000	PC Direct RS232	Twisted screen pair or Cat 5	Maximum 30m
ACTpro 1000	Network RS485 interface	Twisted screen pair or Cat 5	Maximum 1.4km
Network RS485 interface	PC	Cable supplied	Maximum 30m

Ordering Information

Controller	ACTpro 1000
Single channel RS485 interface	ACT Net IF-1 (requires 12v DC supply)
Four channel interface	ACT Net IF-4 (Built in PSU)
56k modem	ACT 56K modem

Card Readers Specifications

The ACTpro 1000 will work with the full range of ACT card readers as well as most industry standard readers with clock & data or wiegand outputs.



56k Modem



4 channel RS485 Interface



Single channel RS485 Interface

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)

