ACTpro 100 / 100PCB Single Door Expander

ACT
Access Control Technology

Product Overview

The ACTpro 100 and ACTpro 100PCB door expanders work in conjunction with the ACTpro 2000 / 3000 two door controllers. They facilitate the expansion of the controller from two to a max of sixteen doors. Each ACTpro 100 or ACTpro 100PCB allows the addition of one extra door. The ACTpro 100 has durable polycarbonate housing, is surface mounted and suitable for indoor use only. The ACTpro 100PCB has no housing and fits easily into the ACTpro 200 or standard PSU boxes.

ACTpro 100   **ACT**pro 100 PCB

Features include:

- Single door expanders for ACTpro 2000 and ACTpro 3000 controllers
- Maximum of 14 ACTpro 100 or ACTpro 100PCB door expanders to each ACTpro 2000 and ACTpro 3000
- Programmable inputs and outputs
- Auxiliary relay output
- Require 12 Volt DC supply
- Supports entry/exit readers
- ACTpro 100PCB has no casing allowing quicker installation

Installation / Specification Guidelines

- For indoor use only
- The ACTpro 100 and ACTpro 100PCB are compatible with all versions of ACTpro 2000 and ACTpro 3000 controllers
- ACTpro 200, ACTpro 100 and ACTpro 100PCB may be connected on the same network

Product Specification

	ACTpro 100	**ACT**pro 100PCB
Operating Voltage:	12V DC	12V DC
Consumption:	40 / 120 mA	40 / 120 mA
Weight:	414 grams	80 grams
Operating Temperature:	-10 to +50 C	-10 to +50 C
Dimensions (HxWxD, mm):	110 x 190 x 60	80 x 130 x 25
Mounting:	Surface	Inside PSU
Installation:	Indoor	Indoor

Cabling Chart

From	To	Cable	Restriction
Reader	Controller	8 core screen	30m at 5 Volts 100m at 12 Volts
ACTpro 100 or ACTpro 100PCB	ACTpro 2000 or ACTpro 3000	Twisted screen pair Belden 9502 or equivalent or Cat5	Maximum 1.4km
ACTpro 2000 or ACTpro 3000	PC Direct RS232	Twisted screen pair Belden 9502 or equivalent or Cat5	Maximum 30m
Network RS485 Interface	PC	Cable supplied	Maximum 30m

Ordering Information

ACTpro 100 Door Station	ACTpro 100
ACTpro 100 PCB Door Station	ACTpro 100PCB

For details of the ACTpro 200 please see overleaf

CE

ACTpro 200 2 Door Expander and 3amp Monitored PSU

Product Overview

The ACTpro 200 is a two door expander for the ACTpro 2000 and ACTpro 3000 controllers, complete with built-in, monitored 3 Amp power supply. The power supply supports two doors, each with its own fuse and battery support. On-board LEDs are provided for fault indication and faults are reported to the controller and PC. An 18swg mild steel cabinet provides ample room for wiring and batteries, and the lid will accomodate two ACTpro 100 pcbs.

ACTpro 200

Programme Features include:

- 2 door expander
- 3 Amp monitored PSU
- Battery deep-discharge protection
- Fuse blown LED indication
- Mains fault indication
- Supports 2 x 7AHr batteries
- Accomodates 2 ACTpro 100 pcbs on lid
- Supports entry/exit readers

Installation / Specification Guidelines

- For indoor use only
- The ACTpro 200 connects to ACT controllers on the DOORS network
- The ACTpro 200 is compatible with all versions of ACTpro 2000 and ACTpro 3000 controllers
- Up to 7 ACTpro 200s can be connected to a controller
- ACTpro 200 and ACTpro 100 may be connected on the same network (maximum 16 doors, including controller)

Product Specification

Mains Voltage:	230V AC +10% - 15%
Frequency:	47 - 63 Hz
Weight:	4873.5 grams
Operating Temperature:	0 to +50 C
Dimensions (HxWxD):	355 x 370 x 85 mm
Installation:	Indoor Only
Mounting:	Surface
Mains Fuse:	630mA
Lock Fuse:	1.25A Quick Blow
Ripple Voltage:	<200mV

Cabling Chart

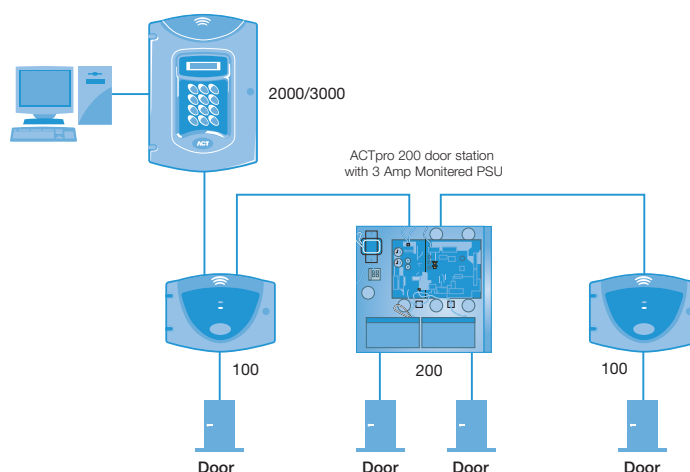| From	To	Cable	Restriction
ACTpro 200	Controller	Twisted screen pair Belden 9502 or equivalent or Cat5	Maximum 1.4km
Reader	ACTpro 200	8 core screened	30m at 5 Volts 100m at 12 Volts

Ordering Information

ACTpro 200 Door Station	ACTpro 200

2000/3000

ACTpro 200 door station with 3 Amp Monitered PSU

100   200   100

Door   Door   Door   Door

ACTpro 2000/3000 controllers and ACTpro 100 expanders require a 12 volts DC supply

ACTpro 200 Schematic

For details of the ACTpro 100 please see overleaf

ACTpro