

ACTpro 100 / ACTpro 120

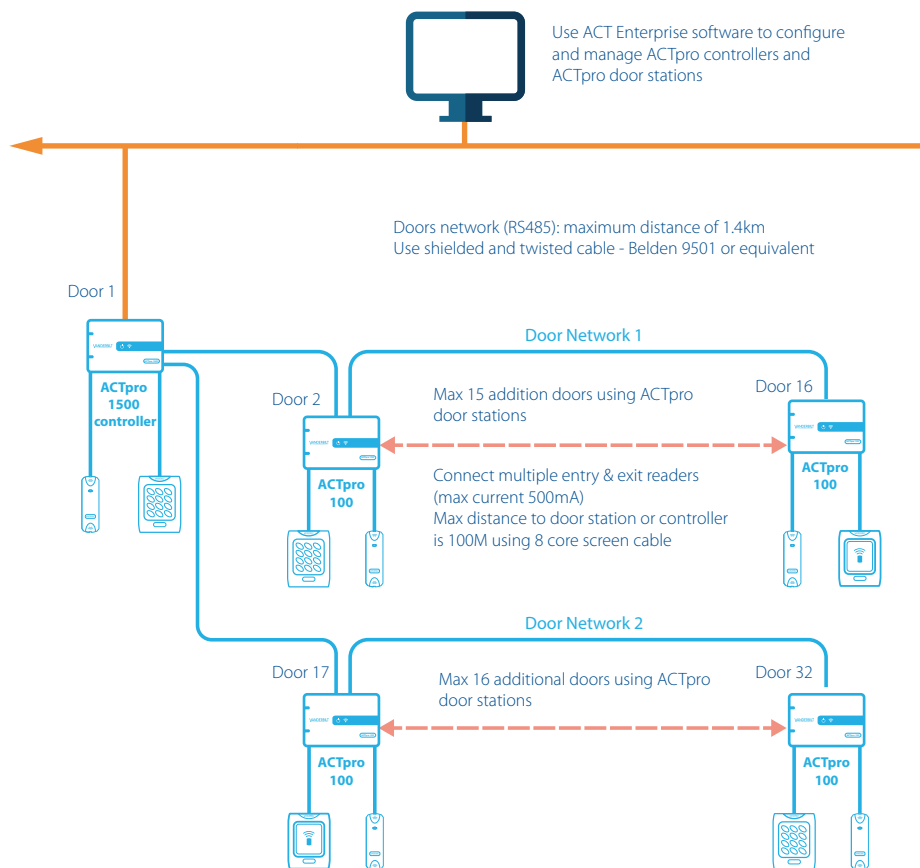
Single door station



Introduction:

The ACTpro 100 family of door stations facilitates the expansion of additional doors on ACTpro controllers.

ACTpro 100 Schematic:



VANDERBILT

A-100718_EN

Edition date: 02-07-2020

ACTpro 100 / ACTpro 120

Single door station

Main Features - ACTpro 100:

- ✓ Main Relay for door control (5A/50V AC/DC)
- ✓ AUX relay for alarm monitoring (1A/50V AC/DC)
- ✓ Supports all ACTpro readers including MIFARE Classic, DESFire EV1
- ✓ Supports Clock&Data or Wiegand readers
- ✓ Multiple entry & exit readers
- ✓ Reader short circuit protection
- ✓ Break Glass Monitoring
- ✓ Supply Voltage Monitoring
- ✓ Request to exit
- ✓ Door monitoring
- ✓ Tamper and Mains present monitoring
- ✓ Status LED's
- ✓ Space in enclosure for cable management
- ✓ Interlock
- ✓ Anti passback
- ✓ Supports monitoring of motorised deadbolts

Certifications:

ACTpro-100:

This equipment type is in compliance with the following EU Directives for CE marking:

- Directive 2014/30/EU (Electromagnetic Compatibility Directive)
- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

Declaration of conformity available at: <http://van.fyi?Link=DoC>

ACTpro-120:

This equipment type is in compliance with the following EU Directives for CE marking:

- Directive 2014/30/EU (Electromagnetic Compatibility Directive)
- Directive 2014/35/EU (Low Voltage Directive)
- Directive 2011/65/EU (Restriction of the use of certain hazardous substances Directive)

Declaration of conformity available at: <http://van.fyi?Link=DoC>



Download manual from: <http://van.fyi?Link=ACTpro100>



Installation Guideline

ACTpro-100 & ACTpro-120:

- For indoor use only
- The ACTpro-100 door-stations are compatible with the ACTpro family of controllers
- The ACTpro-120 must be installed as a permanently connected piece of equipment by a licensed electrician in accordance with local / national codes



VANDERBILT

A-100718_EN

Edition date: 02-07-2020

ACTpro 100 / ACTpro 120

Single door station

Product/Technical Specification:	ACTpro-100	ACTpro-1520
Vanderbilt Material Number	V54502-C120-A100	V54502-C122-A100
Harmonized System (HS)	84719000	84719000
Input Voltage Range (Controller)	11-24V DC	11-24V DC
Current Consumption (Controller)	40 - 120mA	40 - 120mA
Operating Environment	Surface mounting, Internal Use only	Surface mounting, Internal Use only
Environmental Temperature	-10 to +55° C	-10 to +55° C
Gross Product Weight (Kg) 0.62 1.14 3.06	0.60	1.1
NET Product Weight (Kg)	0.51	0.937
Size (mm) W x L x D	236 x 165 x 55	236 x 255 x 84
RoHS	Yes	Yes
Reach	Yes	Yes
WEEE	Yes	Yes
Enclosure Material ABS, gray ABS, gray 1.2 mm steel gray powder coated	ABS, Gray	ABS, Gray
LED Status Indicators	Yes	Yes
PSU Fault Output	N/A	No
Lid opening tamper detection (front)	Yes	Yes
Rear tamper detection	No	No
MTBF	200,000 hr	200,000 hr



Relay Load

When used with inductive loads (Maglock/Strike locks) the following rating apply for:

- Main Relay: 1.5A @ 30VDC or 1.5A @ 50VAC
- Aux Relay: 400mA @ 30VDC

VANDERBILT

A-100718_EN

Edition date: 02-07-2020

ACTpro 100 / ACTpro 120

Single door station

Electrical Specification:	ACTpro-100	ACTpro-120
PoE 802.3bt input (PoE Ultra / PoE++)	N/A	N/A
PoE 802.3at input (PoE+)	N/A	N/A
PoE 802.3af input (PoE)	N/A	N/A
Battery charging	N/A	Yes
Standby Battery	N/A	12V 7AHr Battery
Battery Protections	N/A	Deep Discharge/Over Charge/Reverse Polarity
Battery Current	N/A	~0.5A for a battery discharged to ~10V
Input: Input Voltage	N/A	230VAC +/- 10%
Input: Frequency	N/A	47-53Hz
Input: Mains input fuse	N/A	625mA 250V anti-surge fuse
Output: Voltage	N/A	13.65V (+/-5%)
Output: Max load current	N/A	1.5A @ 25°C plus 0.5A for battery charging
Output: Load output fuse	N/A	2A PTC Resettable Fuse
AC Mains Monitoring	Yes	Yes

Ordering Information:

Product Code	Material Number	EAN Number	Description
ACTpro-1500	V54502-C111-A100	7330082004539	Single door IP Controller
ACTpro-1520	V54502-C110-A100	7330082004522	Single door IP Controller with 2Amp 12V DC PSU
ACTpro-1500PoE	V54502-C112-A100	7330082004553	Single door IP Controller with PoE++ PSU
ACTpro-IOM	V54506-B100-A100	7330082004546	IO Module (8 Inputs and 8 Outputs)
ACTpro-100	V54502-C120-A100	7330082004553	ACTpro-100 Door Station
ACTpro-120	V54502-C122-A100	7330082005321	ACTpro-120 Door Station with 2Amp 12V DC PSU

an **ACRE**
brand

vanderbiltindustries.com

 @VanderbiltInd

 Vanderbilt Industries

Vanderbilt International Ltd.

Clonsaugh Business and Technology Park

Clonsaugh, Dublin D17 KV 84, Ireland

 +353 1 437 2560