

ACTpro 100 / ACTpro 120

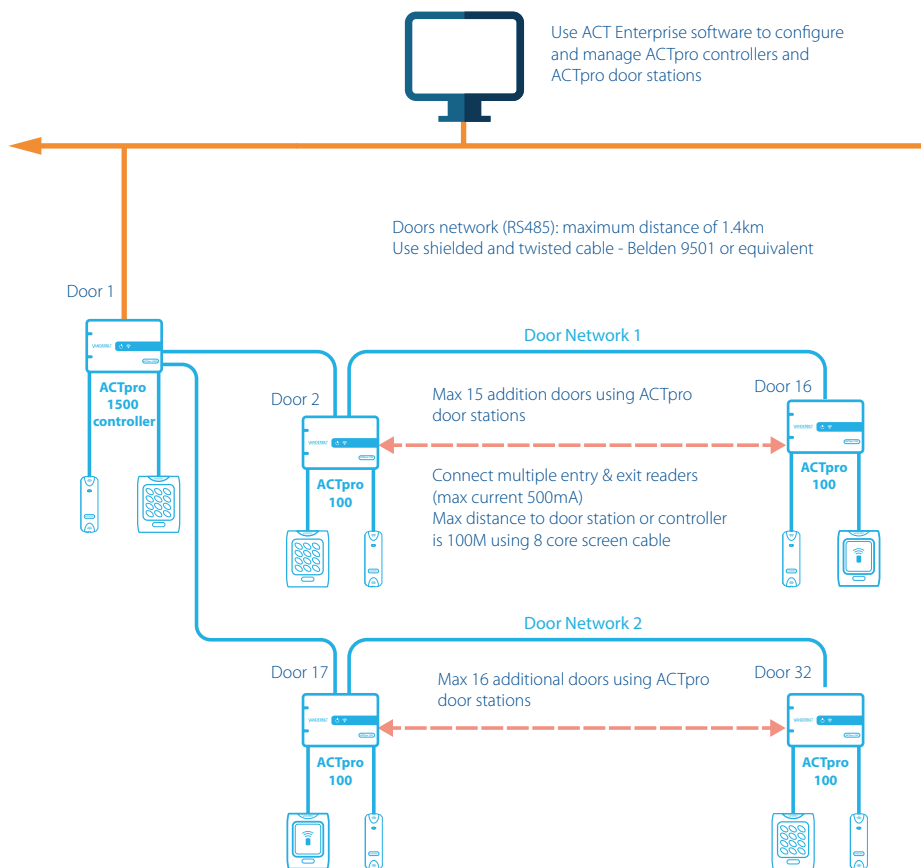
Single door station



Introduction:

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

ACTpro 100 Schematic:



ACTpro-100



ACTpro-120

VANDERBILT

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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



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Single door station

| Product/Technical Specificaiton: | ACTpro-100 | ACTpro-120 |
|--|-------------------------------------|-------------------------------------|
| 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

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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 |