



512 & 512IP Controller

At PAC we make products that deliver innovation and functionality at their best. We have designed the 512 controller with high quality and flexible configuration in mind to fit around our clients' needs and requirements of secure access control.

The 512 is capable of controlling access to your premises through two individual doors with the option of having read in/out on both channels. On-board I/O is for each door which can be configured to monitor and control external devices, such as door contacts or tamper circuits. There is also a separate relay for controlling each door lock.

Designed with distributed intelligence, all access decisions are made by the local PAC 512 controller. This ensures both security and access are maintained in the event of communication loss to the administration PC. The 512 controller can also be configured to provide local anti-passback, therefore increasing the security on key doors in your premises.

PAC's 512 controller can also be integrated with the PAC 500 Alarm Server to provide additional features such as elevator control, sophisticated anti-passback and many more.

PAC have also designed a "One-Touch test mode" which provides a simple and easy to use installation process. It speeds up system commissioning, providing feedback both on the reader and at the controller to confirm cabling, channel and many other controller settings.

- Manages access through 2 doors – both read in and read out*¹
- Up to 20,000 keyholder database*²
- Local anti-passback
- Switchable 12/24V reader supply
- Built-in Wiegand interface on both channels
- Built-in RS232 and RS485 for communication to administration software
- 512IP includes a built-in 10/100 MPS Ethernet connection
- 3Amp thermal fuse protection to lock relay
- 5Amp ancillary relay per door channel
- Available in a boxed variant with a 3Amp PSU



Contact our dedicated customer services team on:

+44 (0) 161 406 3400

to find out how you can start benefiting from a tailored PAC security system that accommodates your business' requirements.

"Quick and straightforward to install. With the easy to understand terminal labels I was able to quickly connect the readers, RTE and Lock to the controller which sped up the installation time."

Part Numbers:

20054 - PAC 512 Access Controller in a metal case with 3.0 Amp PSU

20055- PAC 512 Access Controller - DIN Mount

20154 - PAC 512IP Access Controller in a metal case with 3.0 Amp PSU

20155 - PAC 512IP Access Controller - DIN Mount

¹ When using PAC output readers only

² This is based upon each keyholder having a single access group. If multiple access groups are assigned to keyholders this number is reduced.

Customer Support:

+44 (0) 161 406 3400

customerservices@stanleysecurityproducts.com

PAC Access Control, 1 Park Gate Close, Bredbury, Stockport, Cheshire, SK6 2SZ

www.stanleysecurityproducts.com



PAC 512 & 512IP Controller SPECIFICATIONS

Model	512	512IP
Part Numbers	<ul style="list-style-type: none"> 909020055 - Un-Boxed PAC 512 with DIN Mount 909020054 - Boxed PAC 512 with 3Amp PSU 	<ul style="list-style-type: none"> 909020155 - Un-Boxed PAC 512IP with DIN Mount 909020154 - Boxed PAC 512IP with 3Amp PSU
Dimensions	DIN W=181mm D=125mm H=65mm Boxed without Cut Out W=335mm H=335mm D=90mm	
Temperature	Operating - Interior Equipment: 0° to 35°C	
Humidity	Operating for 24 hours: 10 to 85% RH @ 30±2°C [85±4°F]*1	
Supported Reader Protocol	PAC, PAC64, Wiegand	
Supported Credential Format	PAC, KeyPAC, STANLEY, PAC Ops™ Lite & Ops™, Classic MIFARE® & DESFire® EV1	
Number of Doors	Two-Door Controller - Two readers per channel	
Reader Distance from Controller	70m per reader when using 0.22mm 8 Core Alarm Cable	
Controller Inputs	Door Contact, Request To Exit (RTE), 1 Alarm Input per channel	
Controller Outputs	2 x 5Amp @ 30V DC	
Additional Connections	1 x Tamper, 1 x Override, 1 x RS485, 1 x RS232	1 x Tamper, 1 x Override, 1 x TCP/IP, 1 x RS485
Configuration	Remotely via PAC SecureNet™ or EasiNet™ Software	
Event Storage	20,000 Based upon one record per key holder	
Configuration Options	Can be connected to PAC SecureNet™ or EasiNet™ Software directly or via a PAC 500 Alarm Server	Can be connected to PAC SecureNet™ or EasiNet™ Software
Power Requirements	10.5V DC to 28V DC @350mA	
Warranty	5 years against electronic failure	
Compliance	CE, RoHS & WEEE Compliant	

512/12.15

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