

STANLEY PAC®

READER REPLACEMENT GUIDE



Introduction

This is as a guide for determining the appropriate replacement part for readers that are no longer manufactured. This includes the switch settings and wiring needed when installing each reader. This is NOT a complete guide to all the functions and features of the GS3 readers. Refer to other documents for the full feature set of the new readers.

ADI Part #	This is the part number of the current reader. Also included is a description of the reader type.
PAC #	This is the PAC part number that can be found somewhere on the reader itself. This is usually the only sure way of identifying a particular reader in the field.
Credentials	This includes all the credential types read by the reader. Kxxxx credentials are PAC (K201x, 153 kHz) or KeyPAC (K301x, 125 kHz) cards (Kx011) and fobs (Kx010) Dxxxx credentials are PAC (D82xx, 153 kHz) or KeyPAC (D83xx, 125 kHz) cards (D8x39) and fobs (D8x38). These include a label with the 26 bit code output from a reader with a wiegand output.
Output	PAC: Single conductor labelled SIG. Wiegand: Two conductors labelled D0/D1. Original readers are either factory set (D82xx series) to one of the two output types or are field selectable (K300x, OPxxx series). All new GS3 readers are field selectable.
Replacement	This includes the ADI part number and description for the replacement reader model.
Switches	This shows the feature switch settings required to achieve the same functionality as the original reader. Switch 5 controls whether the reader beeps or not on reading a card and can be set either way.
Wiring (Readers)	This covers the wiring specification used by the replacement reader. In some cases the existing installed wiring may be to a lower specification.
Line Driver (Admin)	The GS3 admin kits are no longer supplied with a line driver. The appropriate part should be purchased separately.
Notes	Indicates extra notes below the table.



K2001

K2001P

K2001SP

K2002

K2003

K3001

K3002

K3003

K3004

D8201

D8202

D8203

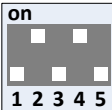
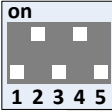




D8301

D8302

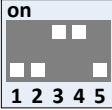






D8303

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Readers

ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
7S-D8201 Low Profile	20600/1.02	D8238, D8239	Wiegand	7S-20111 GS3-LF Standard	 Wieg 26:	500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-D8203 Mullion	20595/1.02	D8238, D8239	Wiegand	7S-20110 GS3-LF Mullion	 Wieg 26:	500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-K2001 Low Profile	20583	K2010, K2011	PAC	7S-20111 GS3-LF Standard	 PAC:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	
7S-K2002 Vandal	20683	K2010, K2011	PAC	7S-20116 GS3-LF Vandal	 PAC:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	
7S-K2003 Mullion	20595 (black) 20596 (white)	K2010, K2011	PAC	7S-20110 GS3-LF Mullion	 PAC:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	
7S-K2001P PIN/Prox	20360	K2010, K2011	PAC	7S-20114 GS3-MT PIN/Prox	 PAC PIN:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	2

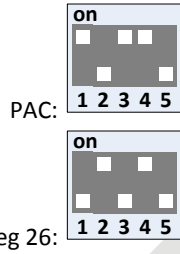
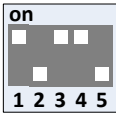

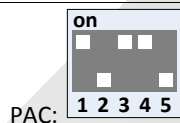

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ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
7S-K2001SP PIN/Prox	20361	K2010, K2011	PAC	7S-20114 GS3-MT PIN/Prox	 PAC PIN:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	2
7S-K3001 Low Profile	20476/7.00	K3010, K3011 D8338, D8339	PAC Wiegand	7S-20111 GS3-LF Standard	 PAC:  Wieg 26:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-K3002 Vandal	20450	K3010, K3011 D8338, D8339	PAC Wiegand	7S-20116 GS3-LF Vandal	 PAC:  Wieg 26:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-K3003 Mullion	20457	K3010, K3011 D8338, D8339	PAC Wiegand	7S-20110 GS3-LF Mullion	 PAC:  Wieg 26:	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1

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ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
7S-K3004 Medium Range	20442/7.00	K3010, K3011 D8338, D8339	PAC Wiegand	7S-20111 GS3-LF Standard	PAC:  Wieg 26: 	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-OPMUL Mullion	20067	K2010, K2011 K3010, K3011 D8238, D8239 D8338, D8339	PAC Wiegand	7S-20110 GS3-LF Mullion	PAC:  Wieg 26: 	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-OPSTD Standard	20068	K2010, K2011 K3010, K3011 D8238, D8239 D8338, D8339	PAC Wiegand	7S-20111 GS3-LF Standard	PAC:  Wieg 26: 	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1

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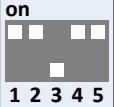
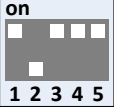
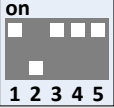

ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
7S-OPVAN Vandal	20424	K2010, K2011 K3010, K3011 D8238, D8239 D8338, D8339	PAC Wiegand	7S-20116 GS3-LF Vandal	 <p>PAC: </p> <p>Wieg 26: </p>	2100/2200: 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB Wiegand: 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
7S-OPPIN PIN/Prox	20473	K2010, K2011 K3010, K3011	PAC	7S-20114 GS3-MT PIN/Prox	 <p>PAC: </p>	512: 800ft, 22AWG, unshielded SIG to SIGA or SIGB	

Notes

1. When set to wiegand 26-bit output, the reader will output the code shown on the D-series credential label.
2. These readers use the 'code blocking' PIN method. Each credential has a fixed 4 digit PIN displayed in the administration software.

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Admin and Enrollment

ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Line Driver	Notes
7S-K6100AD	21542	n/a	n/a	7S-20115 GS3-MT Admin		2100/2200: 7S-20820 512: 7S-20866	1, 2, 3
7S-K6130DT Serial Admin	21395/7.00	K2010, K2011 K3010, K3011	PAC	7S-20115 GS3-MT Admin		2100/2200: 7S-20820 512: 7S-20866	1, 3
7S-USBOAK USB Admin	20763 <i>PAC572</i>	K2010, K2011 K3010, K3011	PAC	7S-20115 GS3-MT Admin		2100/2200: 7S-20820 512: 7S-20866	1
7S-USBRDR USB Enrollment	20762 <i>PAC571</i>	K2010, K2011 K3010, K3011	PAC	7S-20115 GS3-MT Admin		n/a	

Line Drivers

In the past these line drivers were supplied as part of the office admin kits. Now they are supplied as individual items.

Be sure to order the part that matches the type of door controller to which you are connecting.

Supplied as part of 7S-K6130DT		n/a	n/a	7S-20820 2100/2200	Gray Connector	For use with 2100 and 2200 series controllers	4
Supplied as part of 7S-USBOAK		n/a	n/a	7S-20866 512	Green connector	For use with 512 controllers	4

Notes

1. Replacement Admin kits are not supplied with a line driver as before. If required, then purchase a line driver for either a 2100/2200 series controller (gray connector, 7S-20820) or a 512 series controller (green connector, 7S-20866)
2. Enrollment of wiegand card using the GS3 enrollment reader may require extra configuration in the PC software.
3. The USB devices do not work with Readykey for Windows. Readykey for Windows systems should be converted to Stanley PAC.
4. These line drivers will also work with any existing serial or USB admin kits.