

# STANLEY PAC Reader Replacement Guide



## Introduction

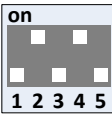




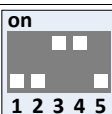
This is as a guide for determining the appropriate replacement part for readers that are no longer manufactured. This includes the switch settings and wiring needed when installing each reader. This is NOT a complete guide to all the functions and features of the GS3 readers. Refer to other documents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

<b>ADI Part #</b>	This is the part number of the current reader. Also included is a description of the reader type.
<b>PAC #</b>	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.
<b>Credentials</b>	This includes all the credential types read by the reader. <b>Kxxxx</b> credentials are PAC (K201x, 153 kHz) or KeyPAC (K301x, 125 kHz) cards (Kx011) and fobs (Kx010) <b>Dxxxx</b> 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.
<b>Output</b>	<b>PAC:</b> Single conductor labelled SIG. <b>Wiegand:</b> 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.
<b>Replacement</b>	This includes the ADI part number and description for the replacement reader model.
<b>Switches</b>	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.
<b>Wiring (Readers)</b>	This covers the wiring specification used by the replacement reader. In some cases the existing installed wiring may be to a lower specification.
<b>Line Driver (Admin)</b>	The GS3 admin kits are no longer supplied with a line driver. The appropriate part should be purchased separately.
<b>Notes</b>	Indicates extra notes below the table.



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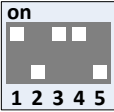

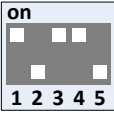

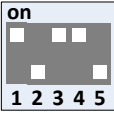

### Readers

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

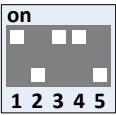

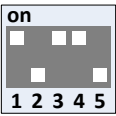
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ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
<b>7S-K2001SP</b> PIN/Prox	20361	K2010, K2011	PAC	<b>7S-20114</b> GS3-MT PIN/Prox	<p>PAC PIN:</p>	<p><b>2100/2200:</b> 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2</p> <p><b>512: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

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

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ADI Part #	PAC #	Credentials	Output	Replacement	Switches	Wiring	Notes
<b>7S-OPVAN</b> Vandal	20424	K2010, K2011 K3010, K3011 D8238, D8239 D8338, D8339	PAC Wiegand	<b>7S-20116</b> GS3-LF Vandal	 PAC:  Wieg 26:	<b>2100/2200:</b> 1500ft, 22AWG, unshielded SIG to SIG1 or SIG2 <b>512:</b> 800ft, 22AWG, unshielded SIG to SIGA or SIGB <b>Wiegand:</b> 500ft, 22AWG, shielded D0/D1 to host D0/D1	1
<b>7S-OPPIN</b> PIN/Prox	20473	K2010, K2011 K3010, K3011	PAC	<b>7S-20114</b> GS3-MT PIN/Prox	 PAC:	<b>512:</b> 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
<b>7S-K6100AD</b>	21542	n/a	n/a	<b>7S-20115</b> GS3-MT Admin		<b>2100/2200:</b> 7S-20820 <b>512:</b> 7S-20866	<b>1, 2, 3</b>
<b>7S-K6130DT</b> Serial Admin	21395/7.00	K2010, K2011 K3010, K3011	PAC	<b>7S-20115</b> GS3-MT Admin		<b>2100/2200:</b> 7S-20820 <b>512:</b> 7S-20866	<b>1, 3</b>
<b>7S-USBOAK</b> USB Admin	20763 <i>PAC572</i>	K2010, K2011 K3010, K3011	PAC	<b>7S-20115</b> GS3-MT Admin		<b>2100/2200:</b> 7S-20820 <b>512:</b> 7S-20866	<b>1</b>
<b>7S-USBRDR</b> USB Enrollment	20762 <i>PAC571</i>	K2010, K2011 K3010, K3011	PAC	<b>7S-20115</b> 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 <b>7S-K6130DT</b>		n/a	n/a	<b>7S-20820</b> 2100/2200	Gray Connector	For use with 2100 and 2200 series controllers	<b>4</b>
Supplied as part of <b>7S-USBOAK</b>		n/a	n/a	<b>7S-20866</b> 512	Green connector	For use with 512 controllers	<b>4</b>

### 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.