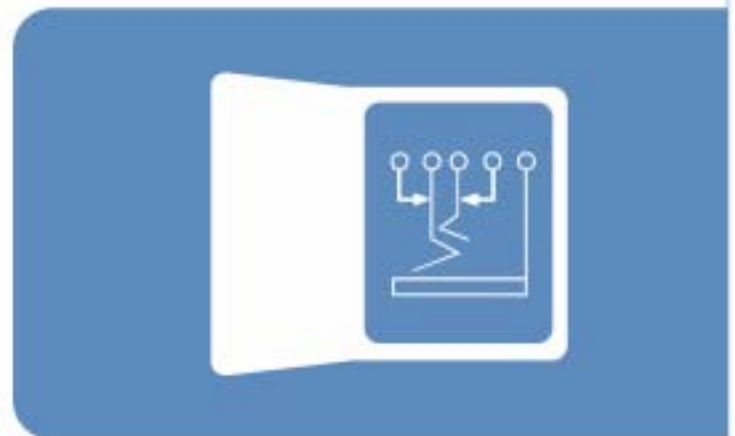


ACS5000

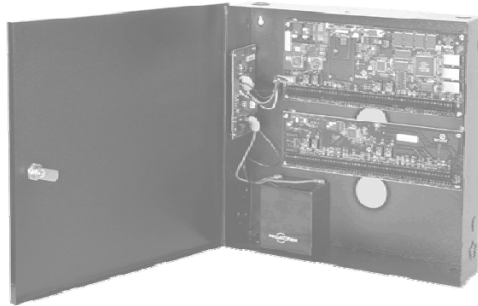
Reader/Keypad Wiring Guide



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Introduction

Brivo's ACS5000 model Access Control System is generally compatible with all industry standard 26 bit Wiegand Readers. Brivo's ACS products are also compatible with 4- and 8-bit word-style Wiegand keypads, and most 34-, 37- and 40-bit Wiegand Readers.



Brivo's ACS product family is designed to accommodate the latest updates in Wiegand reader bit formats; they are all compatible with Wiegand devices that transmit up to 64 bit data.

A current list of approved Readers and Keypads and a wiring guide and notes for each is maintained on the Brivo web site at www.brivo.com.

IF YOU HAVE A SPECIFIC MODEL OF READER/KEYPAD THAT IS NOT LISTED IN THIS DOCUMENT OR ON OUR WEBSITE, PLEASE CONTACT TECHNICAL SUPPORT AT 1-866- BRIVO-4-U AND ASK IF YOUR MODEL CAN BE APPROVED FOR USE.

Brivo Product Compatibility Table

INTRODUCTION.....	1
INTRODUCTION.....	2
BRIVO PRODUCT COMPATIBILITY TABLE.....	4
BRIVO APPROVED COMBO PROXIMITY/KEYPAD READERS.....	6
HID 5355 Proximity with Keypad	6
Star RFK101 Proximity with Keypad	7
BRIVO APPROVED PROXIMITY READERS.....	8
Ademco OMNIPROX.....	8
AWID Sentinel-Prox KP-6840	9
AWID Sentinel-Prox LR-911.....	10
AWID Sentinel-Prox MM-6800	11
AWID Sentinel-Prox MR-1824	12
AWID Sentinel-Prox SP-6820.....	13
AWID Sentinel-Prox SR-2400	14
DigiReader Series DR4201 Proximity Reader	15
HID iCLASS R40.....	16
HID 6005 ProxPoint	17
HID 5395 ThinLine II.....	18
HID 5365 Mini-Prox	19
HID 5355	20
Keri MCR-403 InStar Proximity Reader.....	21
Keri P-500 Pyramid Proximity Readers	22
Motorola Flex Pass 5421A+.....	23
Star Models RF-Tiny / RF-10 / RF-20 Proximity Readers.....	24
Xceed ID XF1050/XF1060 Reader	25
BRIVO APPROVED WIEGAND SWIPE READERS	26
HID 310 Classic Swipe	26
SENSOR CARD Swipe Reader 30387.....	27
BRIVO APPROVED BARCODE READERS	28
Northern BR-7 Barcode Reader.....	28
BRIVO APPROVED BIOMETRIC DEVICES	30
Bioscrypt, VSmart, A.....	30
Bioscrypt, VeriProx, V,H.....	32
BRIVO APPROVED RADIO RECEIVERS.....	34
AAID AA-R500P Wireless Reader And Wiegand Converter	34
Recognition Source.....	35
Sentex CPWR Wiegand Receiver	37
GET YOUR DEVICE APPROVED	38
Proposed New Device: <your device here>	38

Brivo Approved Combo Proximity/Keypad Readers

HID 5355 Proximity with Keypad

Signal Name	Connector Position	Installer Wire Color	Brivo Terminal
Wiegand Data 0	TB1-3		DATA 0
Wiegand Data 1	TB1-4		DATA 1
Ground	TB1-2		GND
Shield	TB1-5		GND
Beeper Control	TB1-8		BUZZ
+12VDC	TB1-1		12VDC
Green LED Control	TB1-6		GRN LED
Red LED Control	TB1-7		RED LED
Hold/Card Present	TB1-9	DO NOT CONNECT	
Tamper Common	TB1-10		*
Tamper Select	TB1-11		*

Special notes and installation hints:

Switch SW₁ Settings: # 3 in OFF Position, all others (1, 2, 4, 5, 6, 7, 8) in the ON position.

These wires could be attached to the AUX input, and notification of "Tamper" would then be sent as an AUX notification to the users account, and the local relay could be used for annunciation.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Star RFK101 Proximity with Keypad

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Green LED Control	Brown		GRN LED

Special notes and installation hints:

All other wires in the cable harness are not used. Confirm that these wires have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

The default setting for jumpers JP1 and JP2 is in the shorted position, this is the correct position for Wiegand output.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Brivo Approved Proximity Readers

Ademco OMNIPROX

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Red LED Control	N/A		RED LED
+12VDC	Red		12VDC
Ground	Black		GND
Shield	Bare Wire		GND
LED Control	Brown		GRN LED
Tamper	Purple	DO NOT CONNECT	DO NOT CONNECT

Special notes and installation hints:

Single Mode Operation:

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox KP-6840

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Drain wire	CABLE SHIELD	GND
Beeper Control	Yellow		BUZZ
+12 VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	
RS232 Output	Orange	DO NOT CONNECT	
RS232 Output	Violet	DO NOT CONNECT	

Special notes and installation hints:

* This applies to KP-6840 Keypad-Reader with Revision D firmware for keypad output.

Rows # 1, 2, 6, 7 and 8. These are logic level signals. Do not apply power to these wires.

Row # 6. Let brown wire float for Red LED. Pull low for Green LED.

Row # 7. Beeper sounds after each transaction without connecting yellow wire. Pull low for added beep if required.

Rows # 9, and 10 are for simultaneous RS-232 output from the reader. They may be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox LR-911

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
+12 VDC	Red		12VDC
Shield	Drain wire	CABLE SHIELD; DO NOT GROUND	
Signal Ground	Blue		To controller's ground terminal
Reader Enabler	Yellow		Reader enabled when pulled low
Receive Data (Serial RD line)	Orange	DO NOT CONNECT	Used only with Installation Kit
RS232 Output	Violet	DO NOT CONNECT	

Special notes and installation hints:

Rows # 1, 2, 6, 7 and 8 are logic level signals. Do not apply power to these wires.

Row # 6. Signal return wire. Connect to signal common or ground terminal on controller.

Row # 7. Reader is in stand-by when this wire is floating; reader is enabled when this wire is grounded. Use a vehicle detector to enable the reader. If no detector, connect this wire to Ground.

Row # 8. Used only with AWID's SP-6820-LR installation test unit.

Rows # 8 and 9 are for simultaneous RS-232 output from the reader. They may be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox MM-6800

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Drain wire	CABLE SHIELD	GND
Beeper Control	Yellow		BUZZ
+12 VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	
RS232 Output	Orange	DO NOT CONNECT	
RS232 Output	Violet	DO NOT CONNECT	

Special notes and installation hints:

Rows # 1, 2, 6, 7 and 8 are logic level signals. Do not apply power to these wires.

Row # 6. Let brown wire float for Red LED. Pull low for Green LED.

Row # 7. Beeper sounds after each transaction without connecting yellow wire. Pull low for added beep if required.

Rows # 9 and 10 are for simultaneous RS-232 output from the reader. They may be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox MR-1824

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Drain wire	CABLE SHIELD	GND
Beeper Control	Yellow		BUZZ
+12 VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	
RS232 Output	Orange	DO NOT CONNECT	
RS232 Output	Violet	DO NOT CONNECT	

Special notes and installation hints:

Rows # 1, 2, 6, 7, and 8 are logic level signals. Do not apply power to these wires.

Rows # 3 and 4. External power source is required for 600 mA peak current at 12 VDC. This source must be *regulated and linear* (not switching).

Row # 6. Let brown wire float for Red LED. Pull low for Green LED.

Row # 7. Beeper sounds after each transaction without connecting yellow wire. Pull low for added beep if required.

Rows # 9 and 10 are for simultaneous RS-232 output from the reader. They may be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox SP-6820

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Drain wire	CABLE SHIELD	GND
Beeper Control	Yellow		BUZZ
+12 VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	
RS232 Output	Orange	DO NOT CONNECT	
RS232 Output	Violet	DO NOT CONNECT	

Special notes and installation hints:

Rows # 1, 2, 6, 7 and 8 are logic levels. Do not apply power to these wires.

Row # 6. Let brown wire float for Red LED. Pull low for Green LED.

Row # 7. Beeper sounds after each transaction without connecting yellow wire. Pull low for added beep if required.

Rows # 9 and 10 are for simultaneous RS-232 output from the reader. They may be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

AWID Sentinel-Prox SR-2400

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Drain wire	CABLE SHIELD	GND
Beeper Control	Yellow		BUZZ
+12 VDC	Red		12VDC
Green LED Control	Brown		GRN LED
unused	Blue	DO NOT CONNECT	
unused	Orange	DO NOT CONNECT	
unused	Violet	DO NOT CONNECT	

Special notes and installation hints:

Rows # 1, 2, 6 and 7 are logic level signals. Do not apply power to these wires.

Row # 6. Let brown wire float for Red LED. Pull low for Green LED.

Row # 7. Beeper sounds after each transaction without connecting yellow wire. Pull low for added beep if required.

Rows # 8, 9 and 10 are not used. They should be cut or taped separately.

Maximum Wire Length (Panel to Reader) = 500 feet.

DigiReader Series DR4201 Proximity Reader

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Blue		DATA 0
Wiegand Data 1	Orange		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Amber LED Control	Yellow		GRN LED
Red LED Control	Brown		RED LED
S-Net A	Green	DO NOT CONNECT	
S-Net B	White	DO NOT CONNECT	

Special notes and installation hints:

Single Mode Operation:

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing AMBER Led, Unlock Hold, will show as alternating RED / Amber Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

HID iCLASS R40

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
+12VDC	Red		12VDC
Ground	Black		GND
Shield	Bare Wire		GND
LED Control	Orange		GRN LED
Red LED Control	Brown		RED LED
Tamper	Yellow		
N/A	Purple		DO NOT CONNECT
N/A	Blue		DO NOT CONNECT

Special notes and installation hints:

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

HID 6005 ProxPoint

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Yellow		BUZZ
+12VDC	Red		12VDC
Green LED Control	Orange		GRN LED
Red LED Control	Brown		RED LED
Hold Control	Blue	DO NOT CONNECT	
Card Present	Violet	DO NOT CONNECT	

Special notes and installation hints:

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

HID 5395 ThinLine II

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Yellow		BUZZ
+12VDC	Red		12VDC
Green LED Control	Orange		GRN LED
Red LED Control	Brown		RED LED
Hold Control	Blue	DO NOT CONNECT	
Card Present	Violet	DO NOT CONNECT	

Special notes and installation hints:

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

HID 5365 Mini-Prox

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Yellow		BUZZ
+12VDC	Red		12VDC
Green LED Control	Orange		GRN LED
Red LED Control	Brown		RED LED
Hold Control	Blue	DO NOT CONNECT	
Card Present	Violet	DO NOT CONNECT	

Special notes and installation hints:

Any operations that require control of the RED LED, (control not provided by the manufacturer).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

HID 5355

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	TB1-3		DATA 0
Wiegand Data 1	TB1-4		DATA 1
Ground	TB1-2		GND
Shield	TB1-5		GND
Beeper Control	TB1-8		BUZZ
+12VDC	TB1-1		12VDC
Green LED Control	TB1-6		GRN LED
Red LED Control	TB1-7		RED LED
Hold/Card Present	TB1-9	DO NOT CONNECT	
Tamper Common	TB1-10		*
Tamper Select	TB1-11		*

Special notes and installation hints:

Switch SW₁ Settings: # 3 in OFF Position, all others (1, 2, 4, 5, 6, 7, 8) in the ON position.

These wires could be attached to the AUX input, and notification of “Tamper” would then be sent as an AUX notification to the users account, and the local relay could be used for annunciation.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Keri MCR-403 InStar Proximity Reader

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Red / Single LED Control	Brown		GRN LED = Single Mode
Green LED Control (Dual Mode Only)	Orange		

Special notes and installation hints:

Single Mode Operation:

Wire the brown wire for “RED” Led control to GRN LED (normally the Green Led control on the Brivo Panel).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Keri P-500 Pyramid Proximity Readers

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Red / Single LED Control	Brown		GRN LED = Single Mode
Green LED Control (Dual Mode Only)	Orange		

Special notes and installation hints:

Single Mode Operation:

Wire the brown wire for “RED” Led control to GRN LED (normally the Green Led control on the Brivo Panel).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Motorola Flex Pass 5421A+

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Red / Single LED Control	Brown		GRN LED = Single Mode
Green LED Control (Dual Mode Only)	Orange		

Special notes and installation hints:Single Mode Operation:

Wire the brown wire for "RED" Led control to GRN LED (normally the Green Led control on the Brivo Panel).

Functions that will be affected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Star Models RF-Tiny / RF-10 / RF-20 Proximity Readers

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
Shield	Bare wire		GND
Beeper Control	Blue		BUZZ
+12VDC	Red		12VDC
Green LED Control	Yellow		GRN LED

Special notes and installation hints:

Any operations that require control of the RED LED, (control not provided by the manufacturer).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Maximum Wire Length (Panel to Reader) = 500 feet.

Xceed ID XF1050/XF1060 Reader

The XF1050/XF1060 readers are supplied with an eight (8) conductor cable pigtail. Connect this pigtail with the signal name, taking care to match the color of each wire with the chart shown below.

Signal Name	Wire Color
Beeper	Blue
Data 0	Green
Data 1	White
Green LED	Orange
Red LED	Brown
Power + DC (5-16 VDC)	Red
Ground	Black
Shield Ground	Drain

Special notes and installation hints:

If Hold function is desired, it can be assigned to any of the Brown, Orange or Blue wires in lieu of the function above.

The voltage specification for these products is 5 volts to 16 volts.

Typical cable gauge ranges from 18 to 22 gauges. Check with your cable supplier to determine the best choice for your application and installation distance.

Cable Distance to Panel in Wiegand mode:

- 500 ft. maximum @ 22 awg and 12V
- 200 ft maximum @ 22 awg and 5V

Brivo Approved Wiegand Swipe Readers

HID 310 Classic Swipe

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
Ground	Black		GND
+12VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	

Special notes and installation hints:

Any operations that require control of the RED LED or Beeper are not possible with this model, (control not provided by the manufacturer).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

SENSOR CARD Swipe Reader 30387

Signal Name	Wire Color	Notes	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	White		DATA 1
+5VDC*	Red	CONNECT TO EXTERNAL 5V ONLY	N/A
Ground	Black	CONNECT TO EXTERNAL 5V ONLY	N/A
LED Control	Brown		GRN LED
Hold Control	Blue	DO NOT CONNECT	N/A

***WARNING: THIS READER REQUIRES 5 VOLTS TO OPERATE AND SHOULD BE ONLY CONNECTED TO AN EXTERNAL 5 VOLT POWER SUPPLY. DO NOT POWER THIS READER WITH A BRIVO DOOR CARD OR DAMAGE WILL RESULT!** Brivo Door Cards are designed to provide the standard of 12 volts.

Special notes and installation hints:

All other wires in the cable harness are not used. Confirm that these wires have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Maximum Wire Length (Panel to Reader) = 500 feet.

Brivo Approved Barcode Readers

Northern BR-7 Barcode Reader

Signal Name	Connector Position	Installer Wire Color	Brivo Terminal
Wiegand Data 0	Green		DATA 0
Wiegand Data 1	Purple		DATA 1
Ground	Black		GND
Shield	Black (Heat Shrink)		GND
+12VDC	Red		12VDC
Green LED Control	Brown		GRN LED
Hold/Card Present	Blue		
ASCII Select Line	Orange	DO NOT CONNECT	
BCD Select Line	Yellow	DO NOT CONNECT	

Special notes and installation hints:

NOTE: Tested with Code39 Cards, reader will output a facility code of “000” and the number of the barcode as the Card Number. All cards entered as Standard 26 bit format.

Any operations that require control of the RED LED or Beeper are not possible with this model, (control not provided by the manufacturer).

Functions that will be effected,

Flashing RED Led, Lockdown mode, will show only as solid RED Led.

Flashing GREEN Led, Unlock Hold, will show as alternating RED / Green Flashing. This looks the same as Too Many Invalid Keycodes during Unlock Hold.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Brivo Approved Biometric Devices

Bioscrypt, VSmart, A

DB15 Pin #	Signal Name	Wire Color*	Installer Wire Color	Brivo Terminal
	Harness Jacket	Blue		
1	Wiegand Do Out	Green		DATA 0
2	Wiegand Do In	Green/Wht	DO NOT CONNECT.	
3	Wiegand D1 Out	White		DATA 1
4	Wiegand D1 In	White/Blk	DO NOT CONNECT.	
5	Line Trigger	Gray	DO NOT CONNECT.	
6	Wiegand Ground	Black/Wht		GND
7	RS485(-)	Blue/Black	DO NOT CONNECT.	
8	RS485(+)	Blue	DO NOT CONNECT.	
9	RS232(Tx)	Violet	plug into cable harness**	
10	RS232(Rx)	Violet/Wht	plug into cable harness**	
11	Power Ground	Black	plug into cable harness**	GND
12	Signal Ground	Black/Red		GND
13	Power In (8-12VDC)	Red	plug into cable harness**	12VDC
14	N/A	Red/White	DO NOT CONNECT.	
15	Earth Ground	Green/Yel		GND

* Check the Veri-Series Setup Guide to verify "New Cable" was shipped with unit.

** These wires are plugged into a four pin connector housing and attaches to the HID card reader

See the following bioscript .pdf documents:

VeriSeries-Operations, Veri-Series Installation and Veri-Series Setup Guide manuals

Special notes and installation hints:

The bioscript reader comes with its own power supply and cables. Plug the 15 pin cable assembly into the finger print reader. The unit communicates to a PC thru the RJ11 jack/cable on bottom side of the finger print reader. The RJ11 connector plugs into a RJ11 to DB9 converter. The DB9 can now be plugged into the serial port on your PC.

See the following bioscript .pdf documents:

VeriSeries-Operations, Veri-Series Installation and Veri-Series Setup Guide manuals.

LED functionality can be found in the manuals listed above.

Confirm that the wires marked DO NOT CONNECT, have ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Bioscript, VeriProx, V,H

DB15 Pin #	Signal Name	Wire Color*	Installer Wire Color	Brivo Terminal
1	Wiegand Do Out	Green		DATA 0
2	Wiegand Do In	Green/Wht	DO NOT CONNECT.	
3	Wiegand D1 Out	White		DATA 1
4	Wiegand D1 In	White/Blk	DO NOT CONNECT.	
5	Line Trigger	Gray	DO NOT CONNECT.	
6	Wiegand Ground	Black/Wht		GND
7	RS485(-)	Blue/Black	DO NOT CONNECT.	
8	RS485(+)	Blue	DO NOT CONNECT.	
9	RS232(Tx)	Violet	plug into cable harness**	
10	RS232(Rx)	Violet/Wht	plug into cable harness**	
11	Power Ground	Black	plug into cable harness**	
12	Signal Ground	Black/Red		GND
13	Power In (8-12VDC)	Red	plug into cable harness**	
14	N/A	Red/White	DO NOT CONNECT.	
15	Earth Ground	Green/Yel		GND

* Check the Veri-Series Setup Guide to verify “New Cable” was shipped with unit.

** These wires are plugged into a four pin connector housing and attaches to the HID card reader

See the following bioscript .pdf documents:

VeriSeries-Operations, Veri-Series Installation and Veri-Series Setup Guide manuals

Special notes and installation hints:

The bioscript reader comes with its own power supply and cables. Plug the 15 pin cable assembly into the finger print reader. The unit communicates to a PC thru the RJ11 jack/cable on bottom side of the finger print reader. The RJ11 connector plugs into a RJ11 to DB9 converter. The DB9 can now be plugged into the serial port on your PC.

See the following bioscript .pdf documents:

VeriSeries-Operations, Veri-Series Installation and Veri-Series Setup Guide manuals

LED functionality can be found in the manuals listed above.

Confirm that the wires marked DO NOT CONNECT, have ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Brivo Approved Radio Receivers

AAID AA-R500P Wireless Reader And Wiegand Converter

AAID Security Solutions AA-R500P Wireless Reader

AA-R500P			Wiegand Interface	
RJ45 Connector (Left Port Pin #s)	Description	Wire Color (using AAID supplied cable)	Wiegand Interface (Left Connector)	Description
1	Not Used	Orange/White	Not Used	Not Used
2	RS232 TXD	Orange	RX	RS232 Receive Pin
3	Power	Green/White	+12 V	+6 to 18V DC
4	Ground	Blue	GND	Ground Pin
5	Not Used	Blue/White	Not Used	Not Used
6	Not Used	Green	Not Used	Not Used
7	Not Used	Brown/White	Not Used	Not Used
8	Not Used	Brown	Not Used	Not Used

AAID Security Solutions AA-W100 RS232 to Wiegand Converter

Wiegand Interface			Brivo ACS		
Row #	Signal Name	Wire Color	Installer Wire Color	Brivo P5 Connection 6 Wire	Brivo P5 Connection 8 Wire
1	Wiegand Data 0	Green		DATA 0	DATA 0
2	Wiegand Data 1	White		DATA 1	DATA 1
3	+12VDC	Red		12VDC	12VDC
4	Ground	Black		GND	GND

Special notes and installation hints:

All other wires in the cable harness are not used. Confirm that these wires have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Recognition Source

Recognition Source Wireless Universal Strike Interface (WUSI)

Reader			WUSI	
Row #	Signal Name	Wire Color Typically Used	WUSI Connection	Description
1	Wiegand Data 0	Green	DATA/DO	
2	Wiegand Data 1	White	CLK/D1	
3	Red LED Control	Brown	RED_LED	
4	+12VDC	Red	12VDC+	
5	Ground	Black	GND	
6	Shield	Bare wire	Not Used	
7	Green LED Control	Orange	GRN_LED	
8	Beeper Control	Yellow	Not Used	
			12VDC+	+7 to 14V DC
			GND	DC Ground

Recognition Source Panel Interface Module (PIM)

Brivo ACS Series Panel		PIM	
Row #	Signal Name	PIM Connection	Description
1	Wiegand Data 0	DATA/Do	
2	Wiegand Data 1	CLK/D1	
3	Red LED Control	NOT USED	
4	+12VDC	12V+	(Brivo ACS Panels are capable of powering the PIM)
5	Ground	GROUND	
6	Shield	NOT USED	
7	Green LED Control	NOT USED	
8	Beeper Control	NOT USED	
9	Keypad Hold	NOT USED	
10	Common Strike Relay Contact (P2 Pin 1)	STK-NO	
11	Normally C Strike Relay Contact (P2 Pin 2)	STK-COM	
12	NOT USED	12V-	
13	Request To Exit Input (P6 Pin 3)	EXIT REQ	
14	Door Status Input (P6 Pin 1)	DOOR STAT	
15	NOT USED	TROUBLE DADA/Do	

Special notes and installation hints:

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Sentex CPWR Wiegand Receiver

Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
Green LED Control	Brown		GRN LED
Wiegand Data 1	White		DATA 1
Wiegand Data 0	Green		DATA 0
Ground	Black		GND
Shield	Bare		GND
+12VDC	Red		12VDC

Special notes and installation hints:

Settings for Switch “S1-FORMAT” in the CPWR. These set the Wiegand output to 26 bit standard output.

- #3 – off (left)
- #2 – off (left)
- #1 – ON (right)
- #0 – off (left)

Settings for Switch “S1-BUTTON” in the CPWR. These set the pushbuttons on the transmitter (1-3) to be read by the receiver. This setting allows all three buttons to be used. Note they will all appear as the same “credential” to the Access control panel. Button 4 will always appear to be unique from the first three. Refer to the Remote Users Manual provided with each Remote Control.

- #3 – ON (right)
- #2 – ON (right)
- #1 – ON (right)

Settings for Switch “S1-BUTTON” in the CPWR. This sets the Facility Code to be the one transmitted from the Remote Control.

- #FFC – off (left)

Confirm that the wires marked DO NOT CONNECT have their ends terminated in a fashion that will not allow them to come in contact with any electrical components or connections.

Maximum Wire Length (Panel to Reader) = 500 feet.

Get your device Approved

Proposed New Device: <your device here>

Row #	Signal Name	Wire Color	Installer Wire Color	Brivo Terminal
1	Wiegand Data 0			DATA 0
2	Wiegand Data 1			DATA 1
3	Red LED Control			
4	+12VDC			12VDC
5	Ground			GND
6	Shield			GND
7	Green LED Control			GRN LED
8	Beeper Control			
9	Hold Control		DO NOT CONNECT	

Special notes and installation hints:

Use this page to document other devices that you would like Brivo Systems, Inc. to include in the list of Brivo Approved Devices. Then contact Customer Service at 1-866-BRIVO-4-U, and they will give you instructions on how to submit the information, and a device to be tested.

Maximum Wire Length (Panel to Reader) = 500 feet.