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VIP SERIES
(Applies to: VIP993, VIP5100, and VIP5500)
Firmware 2.02 and above (6-3-08)

Operational & Troubleshooting Indicators

| FORM NUMBER: 61999 | REV C | DATE: 6-2008 |

1. OUTSIDE ESCUTCHEON INDICATORS

1.1 Firmware Version Indication:
Immediately after power up, the reader's LEDs will flash to identify the firmware version installed in both the outside and inside board. The first sequence of red and green LED flashes (reds indicate major version number, greens indicate minor version number) represents the version of the outside board's firmware. A second sequence of red and green flashes represents the version of the inside board's firmware.

1.2 Communication Protocol Indications:
Upon power up, the reader's beeper will beep to indicate the protocol dipswitch selection:
- 2 beeps = VIP protocol*   dipswitch 7 off, 8 off
- 4 beeps = RSI protocol*   dipswitch 7 on, 8 off (also remove jumper JP1)
- 6 beeps = InterFlex protocol* dipswitch 7 off, 8 on

1.3 Trouble Indications:
The reader's red LED will flash trouble signals:
- 3 sec. on, 3 sec. off = communication failure between inside and outside electronic boards
- 1 blink every 3 sec. = communication failure between VIP and panel
- 2 or more blinks after a mag card swipe = poor swipe or failed ABA format check

1.4 Operational Indications:
VIP protocol*:
- Good Card Swipe: Reader's red LED flashes once.
- Access Granted: Reader's green LED turns on while lock is unlocked.
- Access Deny: Reader's red LED flashes once.

RSI protocol*:
- Good Card Swipe: Reader's beeper beeps once.
- Access Granted: Reader's green LED flashes once.
- Lock Relock: Reader's red LED flashes once.
  NOTE: The actions of both green and red LEDs and beeper can be overridden by the control panel.

Interflex protocol*:
- Good Card Swipe: Reader's beeper beep once and reader's red LED flashes once.
- Access Granted: Reader's beeper beeps twice, reader's green LED on while lock is unlocked.
- Access Deny: Reader's beeper beeps six times, reader's red LED on while beeper is beeping.
- Forced Door: Reader's beeper beeps five times every two seconds

2. INSIDE ESCUTCHEON INDICATORS

2.1 Firmware Version Indication:
After power up, the inside board's amber LED will flash the major version number first, pause, then flash the minor version number.

2.2 RS485 Loss of Poll Indication:
The inside board's amber LED will slowly flash at a frequency of 3 seconds on and 3 seconds off if the lock does not get a RS485 poll for 3 seconds.

2.3 Normal Operation Indication:
The inside board's amber LED will flash every time the lock gets polled (typically once every 1-2 seconds).
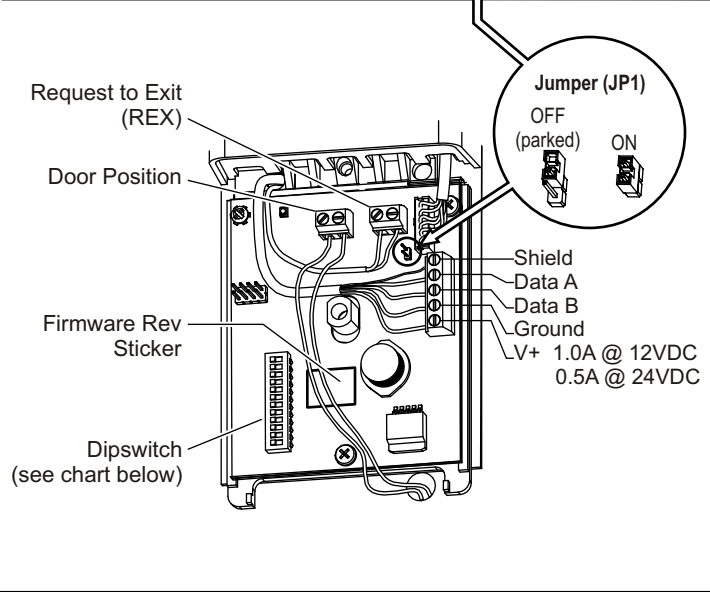
* **VIP Protocol:** For use with PIB or SRCNX
* **RSI Protocol:** For use with RS485 connection to partner panels or bright blue.
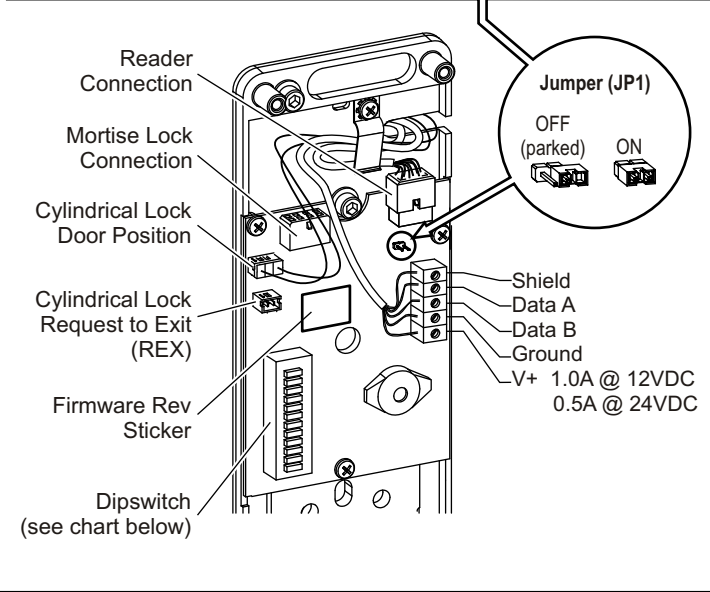* **InterFlex Protocol:** For use with InterFlex.

VIP993
Firmware 2.02 and above (6-3-08)

IMPORTANT:
For **bright blue** installations and RS-485 partner panels only.
Remove (or park on one pin) jumper JP1 for RSI protocol
(JP1 to be on both pins when using a PIB or SRCNX)

Request to Exit (REX)
Door Position
Firmware Rev Sticker
Dipswitch (see chart below)

Jumper (JP1)
OFF (parked)   ON

Shield
Data A
Data B
Ground
V+ 1.0A @ 12VDC
     0.5A @ 24VDC

VIP5100 & VIP5500
Firmware 2.02 and above (6-3-08)

IMPORTANT:
For **bright blue** installations and RS-485 partner panels only.
Remove (or park on one pin) jumper JP1 for RSI protocol
(JP1 to be on both pins when using a PIB or SRCNX)

Reader Connection
Mortise Lock Connection
Cylindrical Lock Door Position
Cylindrical Lock Request to Exit (REX)
Firmware Rev Sticker
Dipswitch (see chart below)

Jumper (JP1)
OFF (parked)   ON

Shield
Data A
Data B
Ground
V+ 1.0A @ 12VDC
     0.5A @ 24VDC

DIP SWITCH SETTINGS

	1	2	3	4	5	6	7	8	9	10	11	12	
Set **lock address**	off	off	off	off									lock address: 01 (RSI, Interflex, VIP)
	on	off	off	off									lock address: 02 (RSI, Interflex, VIP)
	off	on	off	off									lock address: 03 (RSI, Interflex, VIP)
	on	on	off	off									lock address: 04 (RSI, Interflex, VIP)
	off	off	on	off									lock address: 05 (RSI, Interflex)
	on	off	on	off									lock address: 06 (RSI, Interflex)
	off	on	on	off									lock address: 07 (RSI, Interflex)
	on	on	on	off									lock address: 08 (RSI, Interflex)
	off	off	off	on									lock address: 09 (RSI, Interflex)
	on	off	off	on									lock address: 10 (RSI, Interflex)
	off	on	off	on									lock address: 11 (RSI, Interflex)
	on	on	off	on									lock address: 12 (RSI, Interflex)
	off	off	on	on									lock address: 13 (RSI, Interflex)
	on	off	on	on									lock address: 14 (RSI, Interflex)
	off	on	on	on									lock address: 15 (RSI, Interflex)
	on	on	on	on									lock address: 16 (RSI, Interflex)
Set **function** as ordered					off								fail secure (FSE, as ordered)
					on								fail safe (FSA, as ordered)
Set **reader** as ordered						off							magnetic reader (MG)
						on							proximity reader (PX)
Select desired **protocol**							off	off					* VIP protocol
							on	off					* RSI protocol
							off	on					* Interflex protocol
Set baud rate (Interflex only)									off				Interflex protocol baud rate: 19200
									on				Interflex protocol baud rate: 9600
Reserved, currently unused										off			Reserved, currently unused
											off		
												off	