Tamper Switch.

The Stealth series reader includes a tamper switch that is located on the back of the reader. When the reader is secured to the mounting bracket, the micro-switch is engaged creating a closed circuit.

When the reader is removed, the micro-switch releases and the circuit opens.

Connect the tamper switch wire to the appropriate panel input to detect open and closed circuits.

The tamper switch is Normally Open (NO) and rated at 20 VDC @ 350mA

OSDP Wiring of Tamper Switch
The tamper switch is not required for OSDP applications and should not be connected.
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EWAC Operation

Refer to the Installation Guide for information about readers configured for Veridt EWAC communications module.

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Please visit www.veridt.com and reference the Technical Notes page for the most up-to-date version of the Stealth Series Installation Guide (Tech Note 121) and the Stealth Series User Guide (Tech Note 120).

RS-485 capability not verified to UL 294 by Intertek

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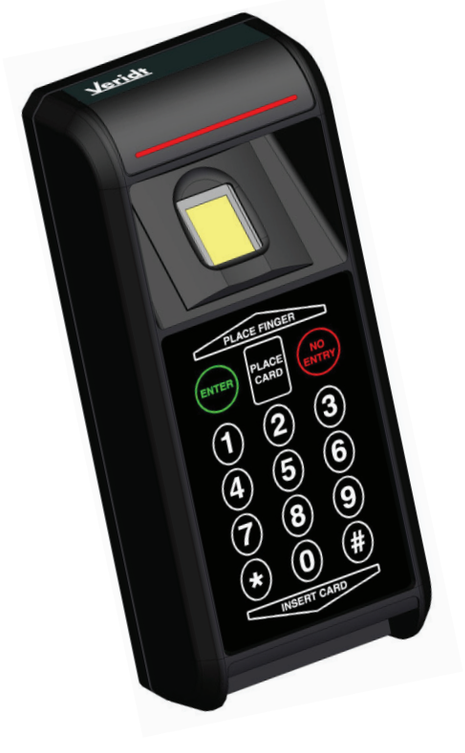
QUICK START GUIDE
Stealth Series Readers

Valid for Veridt Reader Models

Stealth Bio-Q	**PN 900W2031**
Stealth Bio	**PN 900W2030**
Stealth Dual	**PN 900W2036**
Stealth Dual Lite	**PN 900W2037**
Stealth	**PN 900W2026**
Stealth Lite	**PN 900W2027**



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Wiring

Be sure to attach the black ground wire and red power wire to the appropriate connectors.
REVERSING POWER WIRES VOIDS THE WARRANTY

Standard Wiegand

Wire Color	Connection
Black	Ground
Red	Power +12 V
Brown	Access Granted Signal (green)
Blue	Not Used
Yellow	Not Used
Green	Wiegand Zero
White	Wiegand One
Gray	Not Used
Orange	Tamper Switch

Wiegand & RS-485

Wire Color	Connection
Black	Ground
Red	Power +12 V
Brown	Access Granted Signal (green)
Blue	RS-485 Data -
Yellow	RS-485 Data +
Green	Wiegand Zero
White	Wiegand One
Gray	Not Used
Orange	Tamper Switch

Standard Serial RS-485

Wire Color	Connection
Black	Ground
Red	Power +12 V
Brown	Not Used
Blue	RS-485 Data -
Yellow	RS-485 Data +
Green	Not Used
White	Not Used
Gray	Not Used
Orange	Tamper Switch

Power Requirements.

Veridt Stealth series reader terminal operate at 12 VDC ± 1 V. Operation above 13 VDC can damage the reader; operation below 11 VDC can cause intermittent or complete loss of reader operation.

Power consumption varies based on the hardware configurations of the reader. Power requirement for each reader are listed below.

Most access control panels and/or reader control units DO NOT have adequate power for Stealth reader devices.

Connect the reader directly to the primary power supply that provides power to the panel to ensure adequate power for smooth operations. Be sure to order rightsize power supplies.

DO NOT use PoE to power reader or panel.

Note
An additional 30mA must be added to the rating if the 125 kHz Proximity option (PN 920FW0PR) is included in your configuration.

Stealth Power Requirements

Reader Part#	Current in mA
900W2031	500
900W2030	400
900W2026	300
900W2027	300
900W2036	300
900W2037	300

Cable Length

Recommended Cable Type: Non-plenum unshielded unless specifications require plenum or other cable type.

The left column is the amount of power required and the columns to its right are the maximum cable lengths for the wire gauge listed in the top row. For example, using a reader that requires 300mA and 18-gauge power cable, the cable can be no longer that 289 feet.

Power Req.	24 AWG	22 AWG	20 AWG	18 AWG	16 AWG	14 AWG	12 AWG
DC 100 mA	216 feet	342 feet	594 feet	867 feet	1,379 feet	2,197 feet	3,505 feet
DC 200 mA	108 feet	171 feet	297 feet	433 feet	689 feet	1,098 feet	1,755 feet
DC 300 mA	72 feet	113 feet	198 feet	289 feet	459 feet	732 feet	1,169 feet
DC 400 mA	54 feet	85 feet	148 feet	216 feet	344 feet	549 feet	877 feet
DC 500 mA	43 feet	68 feet	119 feet	173 feet	275 feet	439 feet	701 feet
DC 750 mA	28 feet	45 feet	79 feet	115 feet	183 feet	293 feet	467 feet
DC 1000 mA	21 feet	34 feet	59 feet	86 feet	137 feet	219 feet	350 feet