SPIDER SECURITY PRODUCTS

PHYSICAL SECURITY REDEFINED.™

COMPARISON CHART OF: READER PROTECTION TYPES

	CYPRESS Wiegand/OSDP Converter	SPIDER BLOCKER
#1 Connects directly to a Wiegand-based Access Controller Panel? *(Avoiding panel replacement)*	(Using "Reader-side" method): **No.** This method requires OSDP-compliant Controllers. (Using "Panel-side" method): **Yes.**	**Yes.** Compatible with all Wiegand Panels. Replacement of Wiegand Panels are not mandatory.
#2 Protects Wiegand Readers from edge-deployed Man in the Middle hacking modules without reader replacement? *(Avoiding reader replacement)*	**No.** The OSM-1000 cannot protect existing Wiegand Readers against MitM modules. Safeguarding is only possible when entire systems are replaced with OSDP-compatible equipment. (e.g. HID* Part #: 920PTPNEK00387)	**Yes.** Compatible with all Wiegand Readers to protect them against edge-deployed "MitM" hacking modules. (Replacing the Wiegand Reader is not necessary)
#3 Core technology is "future-proofed" to protect next-gen reader protocols?	**No.** Works with OSDP or Wiegand only.	**Yes.** The Spider Blocker can protect any 2 wire reader signal.
#4 Device is simple to install & configure?	**No**	**Yes**
#5 Accommodates both "Open Collector" & "Dry Contact" Tamper Outputs?	**No.** The OSM does not supervise external tamper switches.	**Yes**
#6 Outputs a tamper alarm signal in a format compatible w/ typical panels?	Using "Reader-side" method: **No** Using "Panel-side" method: **Yes**	**Yes**
#7 Has Removable Screw-Terminal Blocks for best-practice wiring connections?	**No**	**Yes**
#8 Protects against Power Manipulation attacks? *(i.e. Conrtroller Panel downing)*	**No**	**Yes**
#9 Has 'on-board' fuses that protect the existing power supplies, core module, & the access reader?	**No**	**Yes**
#10 Provides separate "Normal State" & "Alarm State" LEDs that will clearly indicate device's tampering status?	**No**	**Yes**
#11 Permanently latches into an Alarm State upon initial Reader Tamper Switch activation?	**No.** The OSM-1000 does not permanently latch into an Alarm. It reverts back to normal once the reader cover has been replaced. This flaw permits a MitM insertion to be successful & unnoticed.	**Yes**
#12 Can be Locally & Remotely Reset from a latched Alarm State?	**No**	**Yes**
#13 Can be Remotely Activated for multi-device alarm triggering? *(i.e. Site Lockdown)*	**No**	**Yes**
#14 Offers Single Door & 8 Door Kits to accommodate larger deployments?	**No**	**Yes**
#15 Protects against "Denial of Service" attacks onto Reader Data Lines?	Using "Reader Side" Method: **Yes** Using "Panel Side" Method: **No**	**Yes.** The Reader Data Lines are immediately severed upon an initial Tamper Alarm occurrence.
#16 Provides an enhanced reader signal alternative to Wiegand?	**Yes.** However, the encryption keys are not unique. In addition, OSDP has not been proven insusceptible to potential decryption.	**No.** The Spider Blocker is not an alternative to Wiegand. It simply protects Wiegand's Signal lines from exploitation.
#17 Can protect other signals other than Wiegand? *(i.e. ABA, F/2F, RS485, etc)*	Using "Reader Side" Method: **Yes** Using "Panel Side" Method: **No**	**Yes.** The Spider Blocker is 'Signal Agnostic'. It can safeguard any 2 or 4 wire reader communications signal.
#18 Material costs to protect an existing 8 Reader Wiegand Access Panel:	✓ OSDP Reader (HID Part #: 920PTPNEK00387) $352 x 8 = $2,816 ✓ Cypress (OSM-1000 Wiegand-OSDP Module) $199 x 8 = $1,592	✓ Spider Blocker (SSP-SBL-301) $99.95 x 8 = $1,199.60**
	Cost to protect an existing 8-RDR system w/ OSM = $4,408.00	**Cost to protect an existing 8-RDR system w/ Blockers = $799.60**

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**Requires that the existing access devices to be protected already contain existing tamper switches (which most do). Cost-effective Spider Tamper Switches are available in case.

Data collected as of 1/4/2018

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