SPIDER SECURITY PRODUCTS

PHYSICAL SECURITY REDEFINED.™

PRODUCT DATASHEET

SPIDER BLOCKER MODULE

PART NUMBER: SSP-SBL-301

FEATURES AND BENEFITS

The Spider Blocker is a vital anti-tampering protection module that has been specifically developed to prevent the hacking of access control reader devices, such as:

- ✓ Proximity & Keypad Card Access Entry Readers
- ✓ Biometric & Fingerprint Authentication Devices
- ✓ Hand Geometry & Retinal Scanners, and More

Data Line Types Protected:

- Wiegand
- OSDP
- Clock & Data/ABA
- RS232/RS485
- F/2F
- Match
- XSF
- Any reader using two-wire data communications

Countermeasure Features:

- Neutralizes card sniffers, data loggers & replay devices
- Nullifies edge-deployed "Man in the Middle" (MitM) security hacking technologies such as the: Gecko, BLE-Key, ESP-Key, and others that attack vulnerabilities in access systems
- Protects Controller Panels from power manipulation tactics
- Safeguards Reader Power & Data Lines against exploitation
- Local & Remote Tampering Status Indicators
- Local & Remote Triggering and Resetting
- Purposely isolated from the IoT for added security

APPLICATIONS

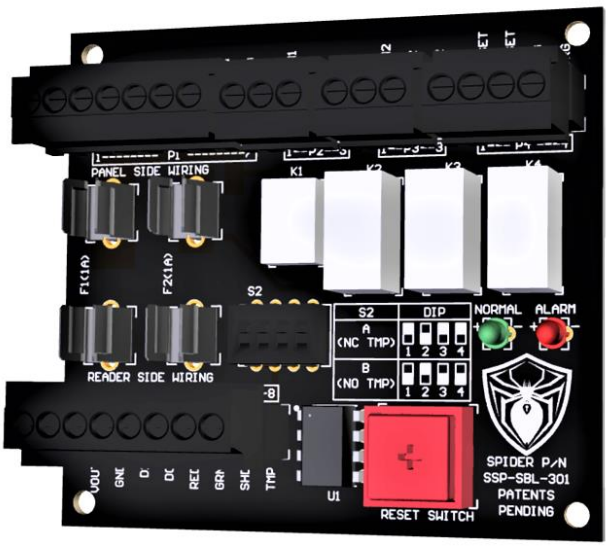
'Protocol Agnostic' the Spider Blocker can be deployed into virtually every access system.

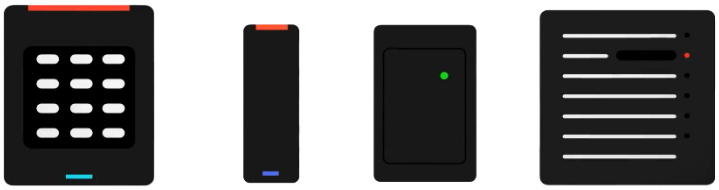
- **Backwards compatible** – Ready to protect all legacy reader protocols
- **Forward compatible & future-proofed** – Ready to protect future protocols

Once implemented, it will exponentially strengthen electronic access systems as used in…

- Government Buildings
- Technology Companies
- Healthcare & Hospital Facilities & more!

Lockdown Feature: The Spider Blocker can serve as the perfect "Lock-down" Module for emergency situations. Triggered by a Panic Alarm Switch, our hardwired (non logic-dependent) component can disable access readers and override automated door unlock schedules --- Key objectives in minimizing casualties and loss in these scenarios.





INSTRUCTIONS

1. **At the Door: Connect the Reader's Tamper Switch Output. (Or install a new tamper).**
   A. Most access readers normally rest at Red LED when powered. (Confirm your device). If this is the case, the wire connected to the reader's Red LED Control wire (often the Brown Conductor) can be re-purposed. Connect it to the reader's 1-Wire Tamper Output.
   B. Test your Tamper Switch to send 1 of 2 Ground Signal Types to the Spider Blocker below: N.C. Tamper = Ground Signal when Reader is Normal, Open Circuit when tampered. N.O. Tamper = Open Circuit when Reader is Normal, Ground Signal when tampered.
2. **Mount the Spider Blocker inside or nearby the Access Control Panel.**
   A. Identify the "home run" cable from the reader. Unwire it from the Control Panel.
   B. Rewire the cable into the Blocker's READER Terminal [P5]. Land the Brown Wire to TMP.
   C. Inside the panel, run a jumper cable in between the Controller's Reader Port, over towards the Spider Blocker's PANEL-SIDE Terminal [P1].
   D. Set DIP Switch S2 to match your Tamper Switch's operation (See "1-B" above). (Mode A) is for a N.C. Tamper, (Mode B) is for a N.O. Tamper.
   E. Connect auxiliary features as desired to [P2-P4] (i.e. Monitoring & Remote Features)
3. **Operations Test- Reader Tamper activations should trigger the Spider Blocker.**
   A. Power & data lines will be disabled & countermeasures activated. Reset after testing.

TECHNICAL DETAILS

Dimensions W/H/D:	[72mm x 66mm x 25.8mm] [2.83" x 2.60" x 1.00"]
Operating Voltage: 12 Volts DC **Current (Per Board):** 25mA nominal (Mode B), 90mA nominal (Mode A), 100mA (Alarm) **Recommendation:** If Reader Port does not have additional capacity of 100mA per Spider Blocker module, utilize a dedicated 12VDC source with ample bandwidth	
On-Board Features: Simple Panel & Reader Wiring, Status LEDs, 2 Alarm Outputs, Remote Triggering/Resetting, On-Board Reset Pushbutton, Tamper Input	
Alarm Outputs: Two SPDT "Form C" Relays [P2] and [P3]	
P2/P3 Relay Output Ratings: 250VAC/220VDC Maximum or 2 Amps Maximum	
Wiring Terminals: Removeable Connectors with Slotted Screw Terminals	
Switch S2: (Mode A) N.C. Tamper Signal, **(Mode B)** N.O. Tamper Signal **Nominal Operating Temperature:** 60-95 Degrees Fahrenheit	
Package Contents (1) Spider Blocker Module, (2) Foam Mounting Strips, Install Guide **Made in the USA – Patents Pending**	
Optional Equipment: **Spider Tamper Switches:** SSP-RDR-880/882/884-TAMPER **Spider Blocker Mount:** SSP-SBL-301-MNT	

CRUCIAL INFO AT: WWW.SPIDERPROTECT.COM