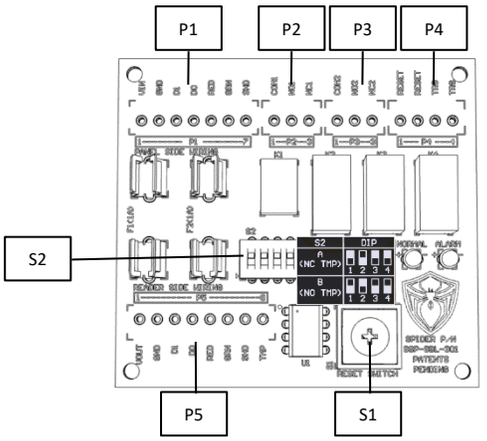
SPIDER SECURITY PRODUCTS

Installation Manual for: Spider Blocker or BlockerBox (Part #s: SSP-SBL-301/308/316)



SPIDER BLOCKER

[SECTION A] --- Important Installation Notes:

I. Placement: Mount the Spider Blocker in a secured space. (If using a Spider Blocker Box, ensure the enclosure is properly secured, and its tamper switch alarm is electronically monitored).

II. Power: The Spider Blocker draws minimal current, and is designed to utilize the 12VDC reader power source provided by the existing Access Control Panel. If your access controller is lacking in power capability for the load addition, you must provide a separate 12-Volt DC 1-Amp regulated power supply. (Power Supply not included with the Spider Blocker/BlockerBox).

III. Basic Configuration:
- a- Connect 12VDC Power between the Controller's Reader Port and the Spider Blocker [P1-1 & P1-2].
- b- Connect 2-Wire Data Connections between the Controller's Reader Port and the Spider Blocker [P1-2 & P1-4].
- c- Connect a wire for Green LED between the Controller and the Spider Blocker [P1-6].
- d- Connect the "home-run cable" between the Spider Blocker [P5] and the Reader (the cable that runs out towards the actual door).
- e- Set the DIP Switch [S2] Mode accordingly, based on the Tamper Switch Operation. (Diagrams & more details provided below).

IV. Basic Countermeasures:
- a- Unmounting the Reader should trigger the Spider Blocker into a latched ALARM State. The Spider Blocker's LED will change from a "NORMAL" Green, to an "ALARM" Red LED.
- b- Regardless of tampering state, the Controller is continuously protected from possible "power manipulation" attempts, via onboard fuse F2.
- c- When the Spider Blocker is in its ALARM State, the Reader's Power & Data connections will be severed, negating their chance of exploitation from the unsecured side of the door.
- d- When the Spider Blocker is in its ALARM State, its Two Relay Outputs at [P2] and [P3] will engage, supplying additional monitoring or activation triggering features.

V. Advanced Configuration (Optional but highly recommended):
- a- **Alarm 1:** Connect 2 wires between the Controller and the Spider Blocker [P2]. This "Form C" Relay will engage upon alarm. Use for alarm monitoring or other purposes.
- b- **Alarm 2:** Connect 2 wires between the Controller and the Spider Blocker [P3]. This "Form C" Relay will engage upon alarm. Use for alarm monitoring or other purposes.
- c- **Remote Reset:** Connect 2 wires between the Controller and the Spider Blocker [P4-1 & P4-2]. With a Normally Open pulse, this feature can RESET the Spider Blocker remotely.
- d- **Remote Trigger:** Connect 2 wires between the Controller and the Spider Blocker [P4-3 & P4-4]. With a Normally Open signal, this feature can TRIGGER the Spider Blocker remotely.

VI. Local and Remote Resetting Procedures:
*Prior to resetting a Spider Blocker that is latched in ALARM: It is vital that a physical inspection of the Reader wiring be performed, to ensure no foreign modules have been inserted!

- a- To reset locally: Press the Pushbutton [S1] for 1 second.
- b- To reset remotely: Send a 1 second 'closed' pulse signal into [P4-3 & P4-4]. (The pulse is ideally connected to a PC-controlled relay, initiated by your Access System Software.)

[SECTION B] --- For Readers with integrated Tamper Switches:

Internal Tamper Switch Operation	Operation (Reader in Normal State)	Operation (Reader in Tampered State)	S2 DIP Switch Setting (Mode)	Diagram To follow
Reader has a (N.O.) 1-Wire Open Collector Tamper Output	Tamper Wire is "Open Circuit" to Ground	Tamper Wire is "Closed" to Ground	B	**Type A**
Reader has a (N.C.) 1-Wire Open Collector Tamper Output	Tamper Wire is "Closed Circuit" to Ground	Tamper Wire "Open Circuit" to Ground	A	**Type B**

[SECTION C] --- For Readers without integrated Tamper Switches (That will use External Tamper Switches):

External Tamper Switch Operation	Operation (Reader in Normal State)	Operation (Reader in Tampered State)	S2 DIP Switch Setting (Mode)	Diagram To follow
Switch has a (N.O.) 2-Wire "Dry Contact" Tamper Output	Tamper Wire is "Open Circuit" to Ground	Tamper Wire is "Closed" to Ground	B	**Type C**
Switch has a (N.C.) 2-Wire "Dry Contact" Tamper Output	Tamper Wire is "Closed Circuit" to Ground	Tamper Wire "Open Circuit" to Ground	A	**Type D****

**Note: All Spider Tamper Switches are 'Type D', so always set the DIP Switch to "Mode A" when using Spider Tamper Switches.

SPIDER BLOCKER INSTALLATION "TYPE A": INTEGRATED N.O. TAMPER SWITCH

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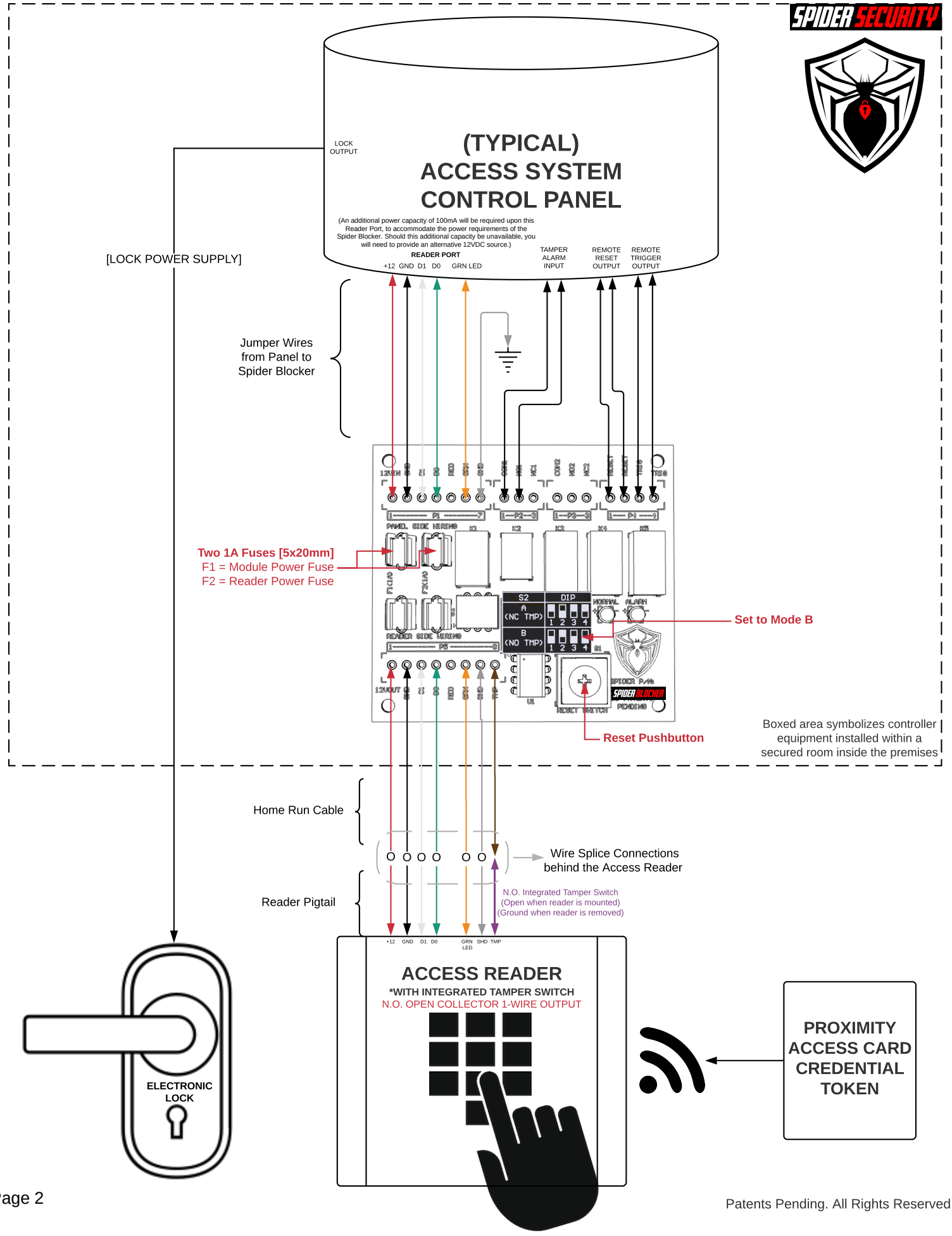

SPIDER BLOCKER INSTALLATION "TYPE B": INTEGRATED N.C. TAMPER SWITCH

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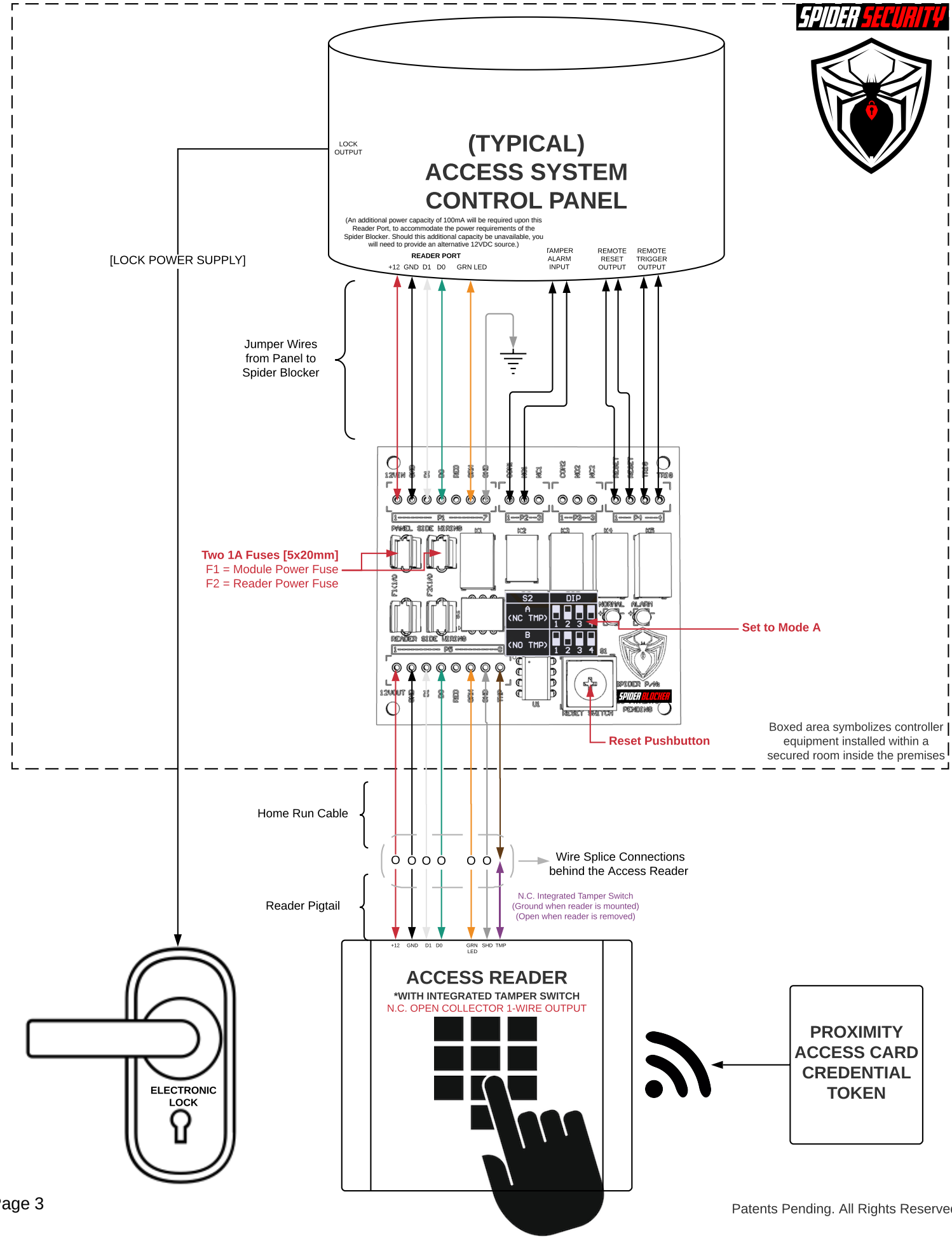

SPIDER BLOCKER INSTALLATION "TYPE C": EXTERNAL N.O. TAMPER SWITCH

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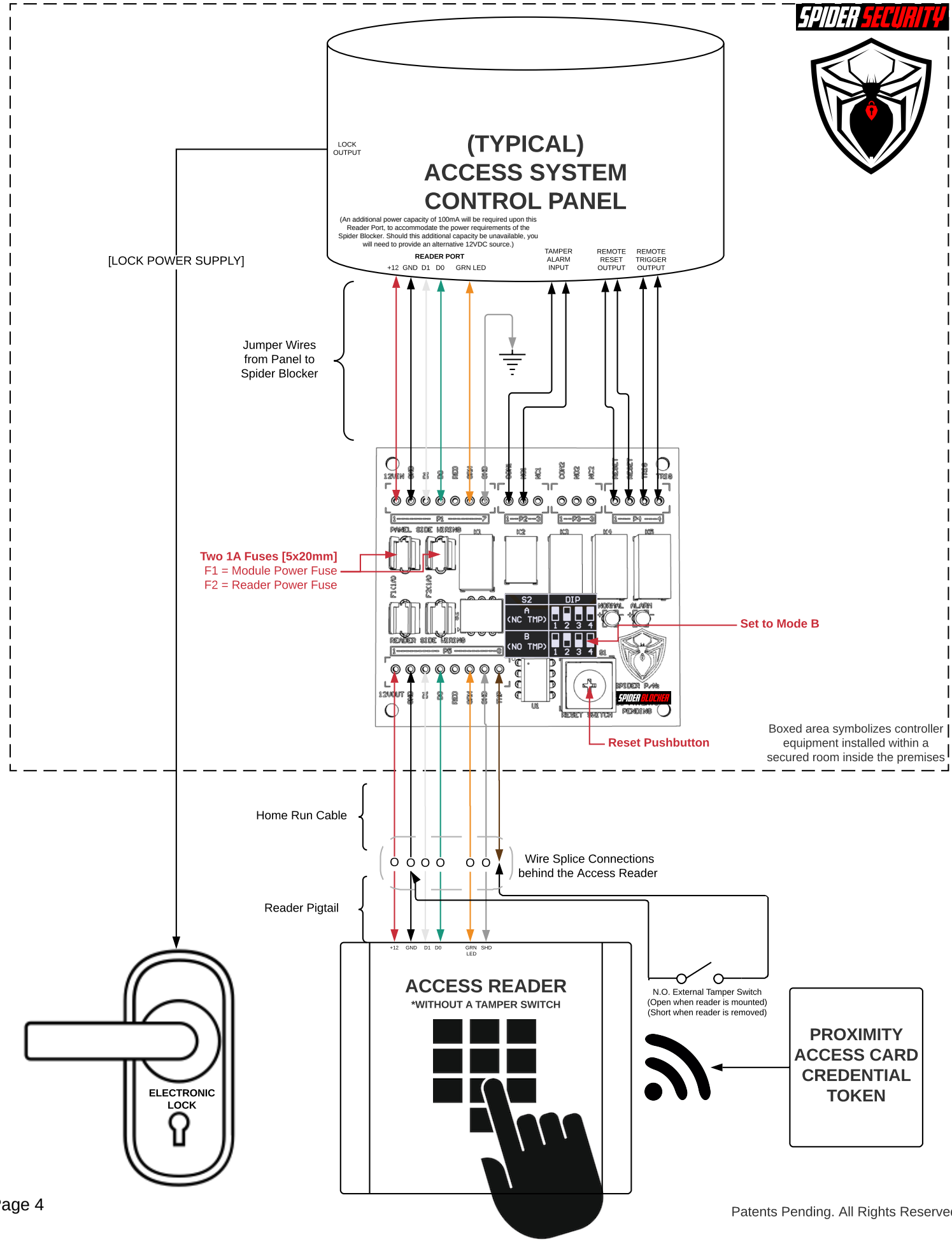

SPIDER BLOCKER INSTALLATION "TYPE D": EXTERNAL N.C. TAMPER SWITCH

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