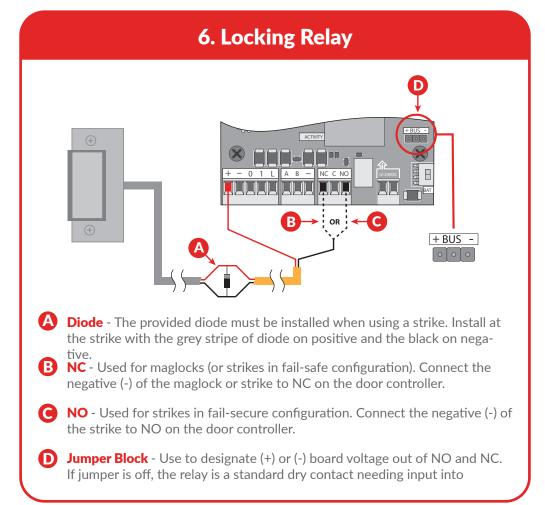
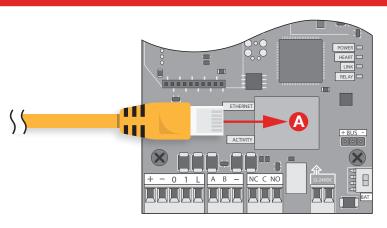


AUX Input - A rule can be setup to trigger events or outputs based on this

input trigger.



7. Communication Connections



A Ethernet - All Red controllers come with a built in RJ45 connection for network connectivity. Once connected the Red 1 controller is Self-Discoverable from pdk.io using IPV6. Alternatively you may use IPV4 or assign a static IP using pdk.io if desired.



★ Wireless (PN: RMW) and PoE (PN: RMPOE) module kits can be purchased for optional communication add-ons.

Reference Guide

Fire Input - To integrate the fire system using a Red 1 door controller, refer to wiring diagrams in the Partner Portal at www.prodatakey.com/resources

Programming - After the Red 1 door controller has been connected back to the Cloud Node, access the configuration software as instructed in the programming manual. This manual is available for download through the Partner Portal at www.prodatakey.com/pdkio

Reader Compatibility - ProdataKey does not require proprietary readers. Door controllers accept a wiegand input, including biometric readers and keypads. OSDP readers are supported by using included jumper (see OSDP reference guide). Contact support for details.

UL 294 Compliance - All equipment must meet appropriate UL certifications. For UL listed installations, all cable runs must be less than 30 meters (98.5')

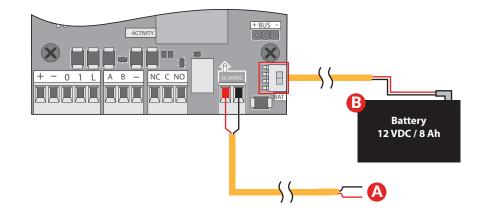
Part Number - R1

PDK Technical Support

Phone: 801.317.8802 option #2 Email: support@prodatakey.com

PDK Knowledge Base: prodatakey.zendesk.com

8. Power Connection



- A DC INPUT Use the included 14VDC, 2 amp transformer for DC power input. It is recommended to use 18/2 wire. For high voltage applications, use the HV converter (PN: HVC)
- **BATTERY** The enclosure will fit most 12 VDC 8 Ah batteries. The battery is connected with supplied leads and is polarity sensitive. Receive up to 8 hrs of battery backup using a strike in fail-secure.

OSDP Reference Guide

What is OSDP - Open Supervised Device Protocol (OSDP) is an access control communications standard developed by the Security Industry Association to improve interoperability among access control and security products. OSDP brings heightened security and improved functionality. It is more secure than Wiegand and supports AES-128 encryption.

OSDP Wire Specification - Four (4) conductor twisted pair overall shield is recommended to remain fully TIA-485 compliant at maximum supported baud rates and cable distances.

NOTE - It's possible to reuse existing Wiegand wiring for OSDP, however, using simple stranded cable typical of Wiegand readers generally does not meet the RS485 twisted pair recommendations.

OSDP Multi-Drop - Multi-drop gives you the capability to accommodate many readers by running one length of 4-conductor cable, eliminating the need to run wire for each wire.

NOTE - Four (4) is the maximum number of readers each port can support.

NOTE - Wiegand readers will not work when OSDP jumpers are installed.





Quick Start **Guide**



View the user manual here: prodatakey.zendesk.com

PN: R1

www.prodatakey.com 801.317.8802