

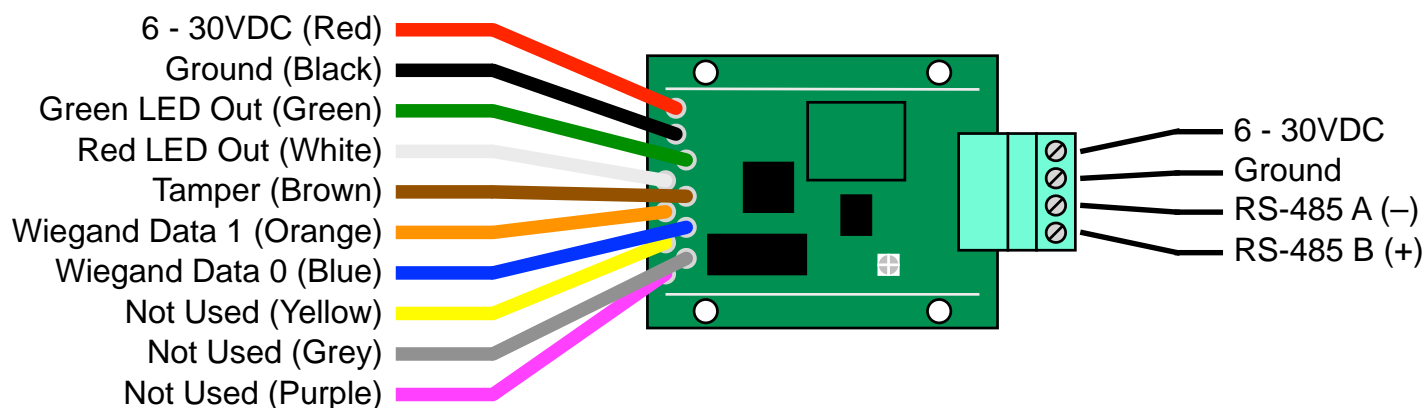
The OSM-RCI Wiegand to OSDP converter can be used to connect specialty Wiegand readers with no OSDP equivalent to new OSDP systems. The compact size allows the OSM-RCI to fit behind the Wiegand reader. Encrypted OSDP Secure Channel communication and LED (green and red) and Tamper I/O are supported.

Specifications		
Physical	Dimensions	Circuit Board: 2.34 x 1.40 x 0.50 inches 5.94 x 3.56 x 1.27 cm Wires: approx. 10 inches 25.4 cm
Environmental	Temperature Range (Storage)	-67°F to +302°F -55°C to +150°C
	Temperature Range (Operating)	-40°F to +176°F -40°C to +80°C
	Humidity	95 percent (non-condensing)
Electrical	Input Power	Unreg Input 6 to 30 Vdc @ 50mA Typical (200mA max) Power can be passed through the OSM-RCI to the card reader WARNING: only power the OSM-RCI with a single power source
Data I/O	Wiegand Input	Maximum 256 bits
	OSDP	Conforms to Open Supervised Device Protocol (OSDP™) v2.2.0 and IEC Committee Draft Version 60839-11-5
Ordering Information	Part Number: OSM-RCI	UPC: 816684005695
Agency Approval	CE Certified: Certified to EN 61000-6-3	



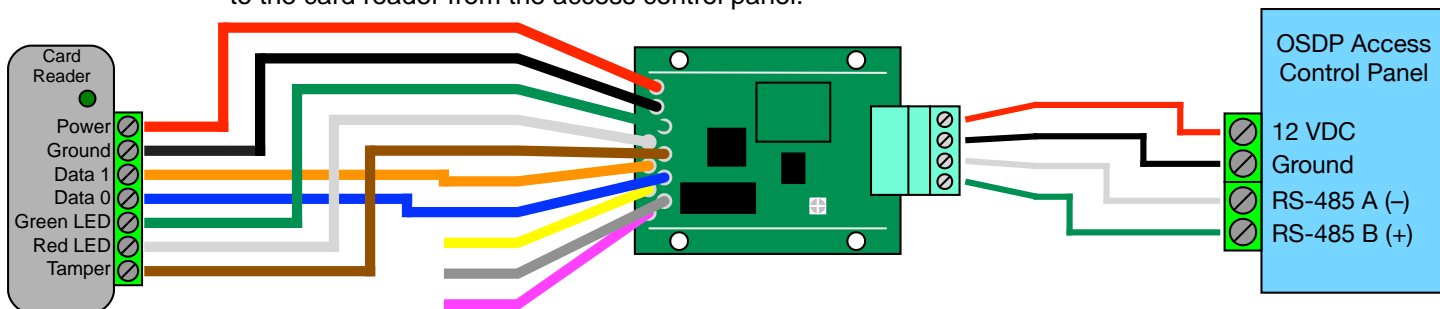
OSM-CPI_PS_240830

Pin Designations: The OSM-RCI has one 4 position screw terminal block for power and OSDP that connects to the access controller, and 10 wires for power pass-through to the reader, I/O, and Wiegand data that connect to the Wiegand reader.



Typical Wiring Diagram:

Power to the reader is being passed through the OSM-RCI to the card reader from the access control panel.



I/O Behavior:

LED - The OSM-RCI has two LED output wires, green and red. The LED Output wires are controlled by the `osdp_LED` command and support green, red, amber, black (off) colors. When the `osdp_LED` command is sent the appropriate LED Output wire(s) will change state from high (5V) to low (0V). Permanent or timed behavior is supported.

Tamper - While Tamper wire is low (0V) it is in the normal state. When the Tamper wire is high (5V) it is in the tamper state and the OSM-RCI will reply with the tamper message (`osdp_LSTATR`).

OSDP Parameters:

Address: default value is 0, supports addresses 0-126

Baud Rate: default value is 9600, supports 9600, 18200, 38400, 57600, and 115200

SCBK-D: default value is 303132333435363738393A3B3C3D3E3F (as defined in the OSDP spec)

Status LED State	Meaning
Purple (fading on/off)	Unit has not been polled by the ACU
Blue (fading on/off)	Unit has previously been polled by the ACU (no communication)
Green (flashing)	Unit is being polled by the ACU.