

Connect a legacy access controller to an OSDP reader or peripheral device with this dedicated OSDP-to-legacy Wiegand panel converter.

### Configuration

The OSM-CPI can be set to Peripheral Device Mode and be configured with any standard OSDP configuration tool. Additionally, there are configuration modes for pairing with a Peripheral Device and resetting to Factory Default parameters.

### Device I/O

The OSM-CPI has inputs for controlling the Peripheral Device's LED and buzzer. There is also a tamper output on the OSM-CPI in the event of communication loss with the Peripheral Device.

### What is OSDP?

The Open Supervised Device Protocol (OSDP™) is an access control communications standard developed by the Security Industry Association (SIA) to improve interoperability among access control and security products. OSDP v2.1.7 is currently in-process to become a standard recognized by the American National Standards Institute (ANSI), and OSDP is in constant refinement to retain its industry-leading position.

### Why specify or adopt OSDP?

Already in wide use by many leading manufacturers like Cypress, HID Global, Mercury and others, the Security Industry Association encourages broad adoption of this standard and recommends specifying OSDP for any access control installations that require real security and/or will be used in government and other higher security settings. It is particularly valuable for government applications because OSDP meets federal access control requirements like PKI for FICAM.

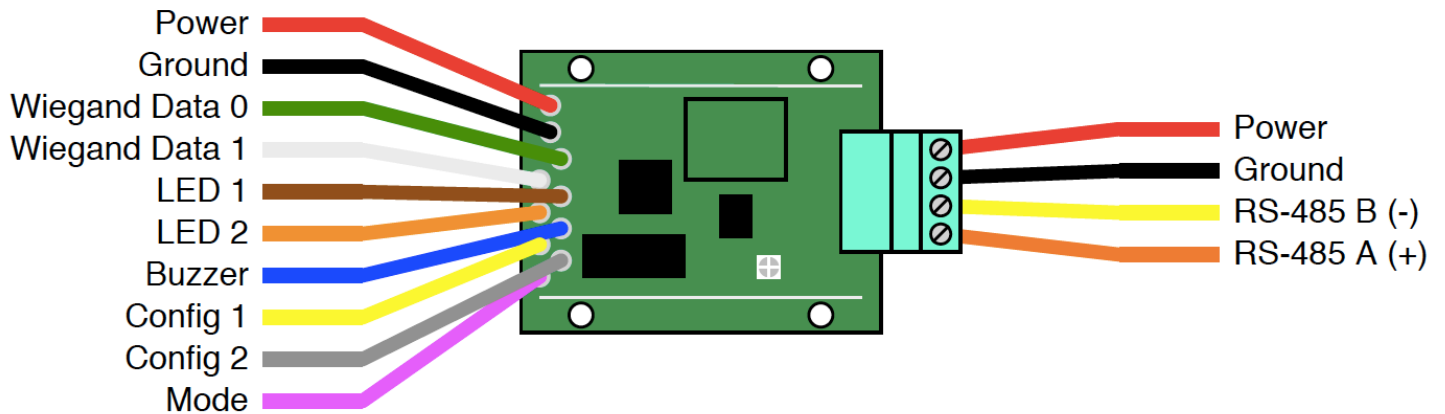
### Source: Security Industry Association

<https://www.securityindustry.org/industry-standards/open-supervised-device-protocol>



OSM-CPI\_PS\_190404

The OSM-CPI has a single 4 position terminal block, and a 10 wire flying lead interface. The signals of the terminal blocks and flying leads are named according to the diagram below.



| Specifications       |                               |   |
|----------------------|-------------------------------|---|
| Physical             | Dimensions                    | 2.34 x 1.40 x 0.50 inches (excluding wires), wires are approx. 10 inches long                         |
| Environmental        | Temperature Range (Storage)   | -55°C to +150°C   |
|                      | Temperature Range (Operating) | -40°C to +80°C  |
|                      | Humidity                      | 95 percent (non-condensing)   |
| Electrical           | Input                         | Unreg Input 6 to 36 Vdc @ 200mA at 12 Vdc   |
| Data I/O             | Wiegand Output                | 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-CPI          | UPC: 816684002540   |

### SIA's Open Supervised Device Protocol (OSDP) v2.2.0 communication standard benefits

- **Security:** OSDP Secure Channel halts Wiegand hacking with AES-128 encryption
- **Interoperability:** Mix-and-match devices to help future-proof systems
- **Functionality:** 2-way communication, access control that withstands the elements, multi-drop installations, 2 wires instead of 10+
- **Communication:** With OSDP's 2-way communication, the panel can query readers to find out capabilities, without physically reconfiguring devices. The panel is alerted if the reader does not answer its query.
- **Savings:** OSDP is scalable. It supports many more devices – and many more types of devices (such as readers, strike sensors and alarms) – than the Wiegand protocol.

Learn more at [OSDP-Connect.com](http://OSDP-Connect.com) or [CypressIntegration.com/OSDP](http://CypressIntegration.com/OSDP)