OSDP™ to Wiegand Interface
SE 1290

Protocol converter that converts OSDP™ to Wiegand or Wiegand to OSDP™.





Functional description

The OSDP™ protocol converter is a multifunctional product that allows to connect OSDP™ card readers to Wiegand interface based controllers or Wiegand card readers to OSDP™ based controllers.

As the Wiegand and Clock/Data interfaces are electrically the same (5V Interface) the OSDP™ protocol converter can also be used with card readers that transmit data in Clock/Data format.
The configuration of the OSDP™ protocol converter is done via DIP switch on the module or via the USB service interface.

The OSDP (TM) Protocol converter supports AES encrypted Secure Channel communication in both Host and Device mode.

Product versions

Product numbers	Target system	OSDP Card Reader	Interface
SE 1290 CSE	AMAG – M2150	Security Engineering	Pin row
SE 1290 CSE2	Generic	Security Engineering	Ribbon cable
SE 1290 CSE3	AMAG – MDU4	Security Engineering	Pin row
SE 1290 C3P	Generic	3rd Party	Ribbon cable

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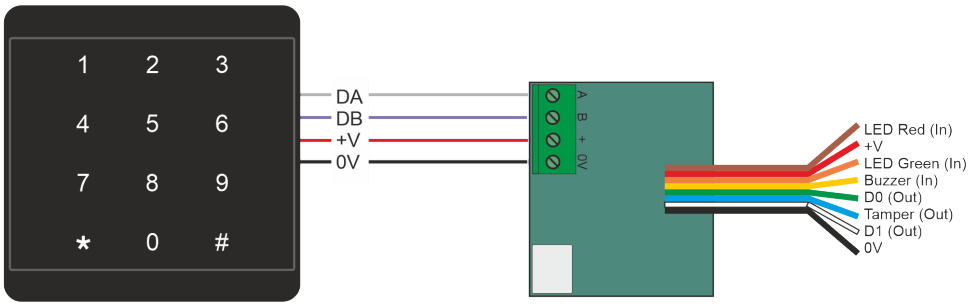
Modes of operation:

OSDP™ Device connected to a Wiegand Controller:

Card Reader
SE 1045 / SE 1090 / SE 1360
Or compatible OSDP card readers

OSDP Interface
SE 1290

Door Controller
Wiegand Interface

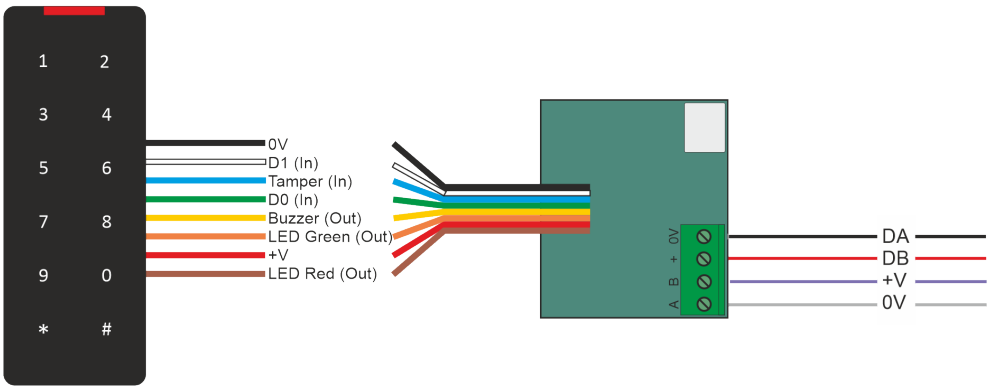


Wiegand Device connected to an OSDP™ Controller:

Card Reader
Wiegand Output

OSDP Interface
SE 1290

Door Controller
OSDP Interface



The OSDP™ protocol converters mode of operation is selected via a DIP switch on the product.

Visual indication:

The OSDP™ protocol converter is equipped with 2 LEDs for visual indication of OSDP™ transmission.

Firmware

The OSDP™ protocol converter can be firmware updated in field using the seucu.exe utility, which is freely downloadable from **www.securityengineering.com.**

Data

Dimensions	34 x 29 x 11 mm (L x W x H)
Connection	OSDP – 4 way elevator clamp Wiegand – 8 way ribbon cable or 7(8) way pin row USB – USB-C Connector, USB 2.0 interface
Power Input	12-30V DC / 15 mA
Commodity code	8471.80.1000
Country of Origin	DK
ECCN code (US)	N
Export list number (EU)	N

Legal:

OSDP™ is a trademark of SIA - Security Industry Association.

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