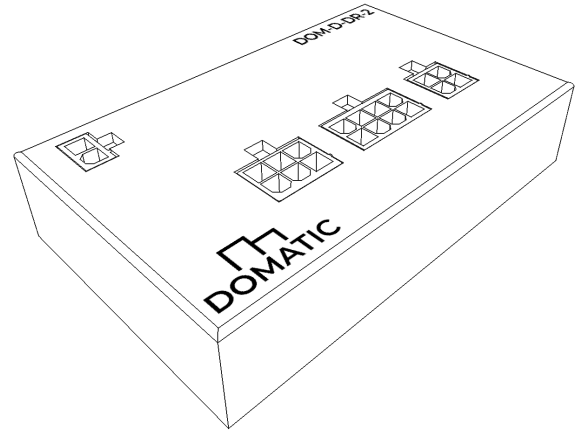


## Door Access Controller

DOM-D-DR-1 | Lock Outputs | OSDP / Wiegand · Mobile Wallet | Domatic Bus

The Door Access Controller is a flexible, single-door access controller that brings credential readers, electric and magnetic locks, exit buttons, doorbells, and door-ajar sensors onto the Domatic Bus. Reader interfaces support the two most common physical-access protocols — OSDP and Wiegand — and the device works with the HID keypad alongside Apple Wallet and Google Wallet for smartphone or smart-watch unlock.

Per-door behavior — schedules, credential lists, anti-passback, forced-door / door-held alarms, and event reporting — is configured in software via the Domatic PowerHub, putting access policy in the same management plane as lighting, climate, and the rest of the building.



### Key Features

- ✓ Single-door access controller — credential reader + lock + sensors + exit button on one device
- ✓ Reader support: OSDP and Wiegand
- ✓ Compatible with the HID keypad (model TBD) for PIN-code entry
- ✓ Mobile credentials via Apple Wallet and Google Wallet — unlock with iPhone, Apple Watch, Android phone, or Wear OS
- ✓ Lock outputs for both electric strikes and magnetic locks (fail-safe or fail-secure configurable)
- ✓ Inputs for door-ajar / door-position sensors and dry-contact buttons (push-to-exit, doorbell)
- ✓ Native Domatic Bus interface — power, control, and event reporting on a single 2-wire CL2 input
- ✓ Per-door access policy — schedules, credential lists, alarms — configured in software via the PowerHub

### Reader Support

Reader Type	Notes
OSDP	Open Supervised Device Protocol — modern, encrypted, multi-drop RS485 reader protocol
Wiegand	Legacy industry-standard reader protocol; supported for compatibility with existing card readers
HID Keypad	Specific model TBD; PIN entry alongside card / mobile credentials
Apple Wallet	iPhone or Apple Watch as a credential
Google Wallet	Android phone or Wear OS smart watch as a credential

**Note** Mobile credentials require a credential-issuance partnership and PowerHub-side enrollment. Contact Domatic for setup details.

### Door Hardware Support

<b>Electric Latches / Strikes</b>	Fail-safe or fail-secure, configurable per door
<b>Magnetic Locks (Mag Locks)</b>	Standard 12 V or 24 V hold-to-lock magnetic locks
<b>Door-Ajar / Position Sensors</b>	Dry-contact door position switch – reports open / closed and held-open alarms
<b>Push-to-Exit Button</b>	Dry-contact request-to-exit input – releases the lock momentarily
<b>Doorbell Button</b>	Dry-contact input – generates a doorbell event reported to the PowerHub

## Electrical Specifications

### Input – Domatic Bus

<b>Input Voltage</b>	Nominal 48 VDC (Domatic Bus)
<b>Communication</b>	Domatic Bus (IEEE 1901 HD-PLC over the same 2-wire pair as power)
<b>Power Source</b>	Domatic PowerHub output port
<b>Max Input Power</b>	TBD

### Lock Outputs

<b>Output Type</b>	Switched DC for electric strike / magnetic lock
<b>Output Voltage</b>	TBD (typ. 12 V / 24 V)
<b>Max Current per Lock</b>	TBD
<b>Modes</b>	Fail-safe and fail-secure, software-selectable per door

### Reader Interface

<b>OSDP</b>	RS485, encrypted, multi-drop
<b>Wiegand</b>	Standard Wiegand data lines

### Sensor and Button Inputs

<b>Input Type</b>	Dry-contact (normally-open or normally-closed, software-selectable)
<b>Wetting Voltage</b>	TBD
<b>Debounce</b>	TBD

## I/O Configuration

<i>I/O</i>	<i>Connector</i>	<i>Description</i>
Domatic Bus Input	Molex Mini-Fit, 2-pin	48 VDC and Domatic Bus protocol on the same pair. Mates with PowerHub output ports.
Reader	TBD	OSDP (RS485) or Wiegand reader connection
Lock Output	TBD	Switched DC output to electric strike or magnetic lock
Door Position	TBD	Dry-contact input from door position switch / ajar sensor
Push-to-Exit	TBD	Dry-contact REX (request-to-exit) input
Doorbell	TBD	Dry-contact doorbell-button input

## PowerHub Integration

<b>Controller</b>	Domatic PowerHub (required)
<b>Credential Management</b>	Card numbers, PINs, and mobile-wallet credentials issued and revoked from the PowerHub
<b>Policy</b>	Schedules, access groups, anti-passback, forced-door / door-held thresholds
<b>Reporting</b>	All access events (granted, denied, forced, held-open, doorbell, REX) reported to the PowerHub in real time
<b>Mobile Wallet</b>	Apple Wallet and Google Wallet credential issuance handled through the PowerHub-side enrollment flow

## Mechanical Specifications

<b>Dimensions</b>	TBD
<b>Weight</b>	TBD
<b>Enclosure Material</b>	TBD
<b>Mounting</b>	TBD

## Environmental Specifications

<b>Operating Temperature</b>	TBD
<b>Humidity</b>	TBD
<b>Installation</b>	Indoor (assumed – confirm; if outdoor-rated, note environment rating)

## Standards & Compliance

<b>Safety</b>	TBD
<b>Power Source</b>	NEC Class 2 from the PowerHub output
<b>Reader Protocols</b>	OSDP, Wiegand
<b>Mobile Credentials</b>	Apple Wallet, Google Wallet

## Ordering Information

<i>Model Number</i>	<i>Description</i>
DOM-D-DR-1	Access Controller – Single-door, OSDP / Wiegand reader, mobile-wallet credentials, Domatic Bus