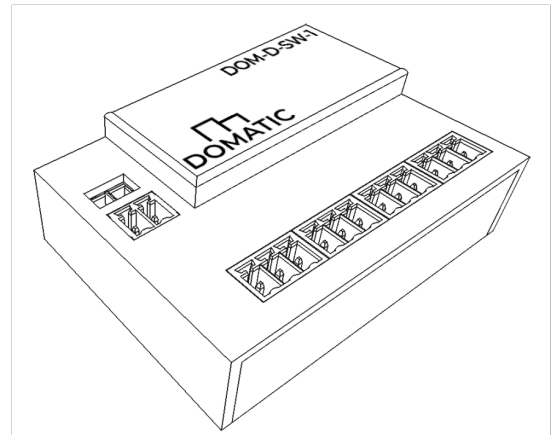


Dry-Contact Switch Module

DOM-D-SW-1 | 4× Dry-Contact Input Pairs | 1-Gang Form Factor | Domatic Bus

The Dry-Contact Switch Module is a compact contact-switch interface with four independent dry-contact inputs, one 3-pin plug per input, that fits inside a single 1-gang wall box. It lets almost any off-the-shelf momentary-contact button, toggle, or dry-contact sensor become a control point on the Domatic Bus.

Each input is bound to its action in software via the Domatic PowerHub – a momentary press can trigger anything from a single fixture toggle to a whole-home scene, and the same physical button can mean different things in different contexts. There is no behavior burned into the device itself; everything is a configuration choice on the PowerHub.



Key Features

- ✓ 4× independent dry-contact inputs, each with its own 3-pin plug
- ✓ Compact form factor – fits inside a standard 1-gang low-voltage wall box
- ✓ Compatible with virtually any momentary or maintained dry-contact device – pushbuttons, toggle switches, doorbell buttons, magnetic reed switches, dry-contact sensor outputs
- ✓ Software-defined behavior – bind each input to any action, scene, or device on the Domatic Bus via the PowerHub
- ✓ Native Domatic Bus interface – power, control, and reporting on a single 2-wire CL2 cable
- ✓ No external power required at the contact device – the Switch Module supplies the wetting voltage

Compatible Input Devices

Momentary Pushbuttons	Single-press actions, scene triggers, doorbells
Toggle Switches	State-tracking inputs (on/off positions)
Magnetic Reed Switches	Door / window position sensors
Dry-Contact Sensors	Any sensor with a dry-contact output (occupancy, leak, smoke, etc.)
Custom Switches	Any normally-open or normally-closed dry-contact device within the input ratings

Input Configuration

Each of the four inputs has its own 3-pin plug and one closure detection channel, and is independently bound and reported. A typical use is to run a single 2-conductor cable from each input to its physical button or switch.

Input	Terminals	Software Binding
IN1	3-pin plug	Configurable via PowerHub — any action, scene, or device
IN2	3-pin plug	Configurable via PowerHub — any action, scene, or device
IN3	3-pin plug	Configurable via PowerHub — any action, scene, or device
IN4	3-pin plug	Configurable via PowerHub — any action, scene, or device

Note Both press / release events and held-state durations are reported to the PowerHub, which determines what each input does in any given context.

Electrical Specifications

Input – Domatic Bus

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

Contact Inputs

Inputs	4 inputs (one 3-pin plug per input)
Input Type	Dry contact (normally-open or normally-closed; software-selectable per input)
Wetting Voltage	12 VDC
Wetting Current	6 mA
Max Loop Resistance	100 ohms

I/O Configuration

I/O	Connector	Description
Domatic Bus Input	Molex Mini-Fit, 2-pin	48 VDC and Domatic Bus protocol on the same pair. Mates with PowerHub output ports.
Contact Inputs ×4	4× DB2EK-3.81-3P female plugs	One plug per dry-contact input. Supports 28–16 AWG solid or stranded wire.

PowerHub Integration

Controller	Domatic PowerHub (required)
Reporting	Per-input state changes (open ↔ closed) and held-state durations reported to the PowerHub in real time
Configuration	Per-input binding, normally-open / normally-closed inversion, scene mapping — all software-configurable via the PowerHub
Multi-context	The same input can drive different actions in different scenes or modes

Mechanical Specifications



Dry-Contact Switch Module

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Form Factor	Single 1-gang low-voltage wall box
Dimensions	TBD
Weight	TBD
Enclosure Material	TBD
Mounting	TBD

Environmental Specifications

Operating Temperature	TBD
Humidity	TBD
Installation	Indoor only

Standards & Compliance

Safety	TBD
Power Source	NEC Class 2 from the PowerHub output
Inputs	Dry-contact (Class 2 wetting)

Ordering Information

Model Number	Description
DOM-D-SW-1	Switch Module – 4-pair dry-contact interface, 1-gang wall-box form factor, Domatic Bus

