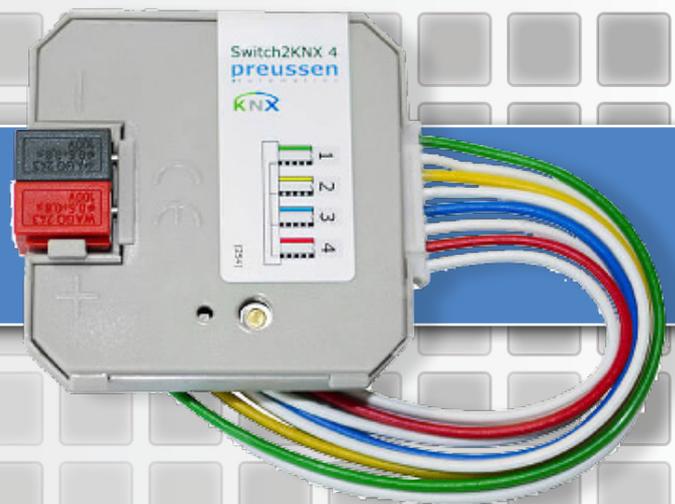


Switch2 KNX 4

Dry contact interface

Manual
Application description



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2. Functional description

- 4 x Dry Contact Inputs – presented on a 2mm pitch 280mm long fly leads provided with the unit
- Programming Switch and LED – used to enable and indicate programming mode
- Simple Installation – Compact enclosure allows the device to be conveniently placed near the device to be controlled. All connections are accessible without disassembly

! Important Notes

- **Read Instructions** – We recommend that you read this Installation Manual prior to commencement of installation.
- **Special Programming** – To enable full functionality the device is required to program using ETS software.
- **Installation Location** – Install in a dry location, close to the equipment to be interfaced with.
- **Dry Contact Wires** – Maximum recommended length of dry connector wires is 1 metre if not twisted or up to 10 metres if twisted wire pair is used. Wires should be kept away from any mains cables. Inputs must not be connected to any voltage source, only voltage free dry contacts should be used.

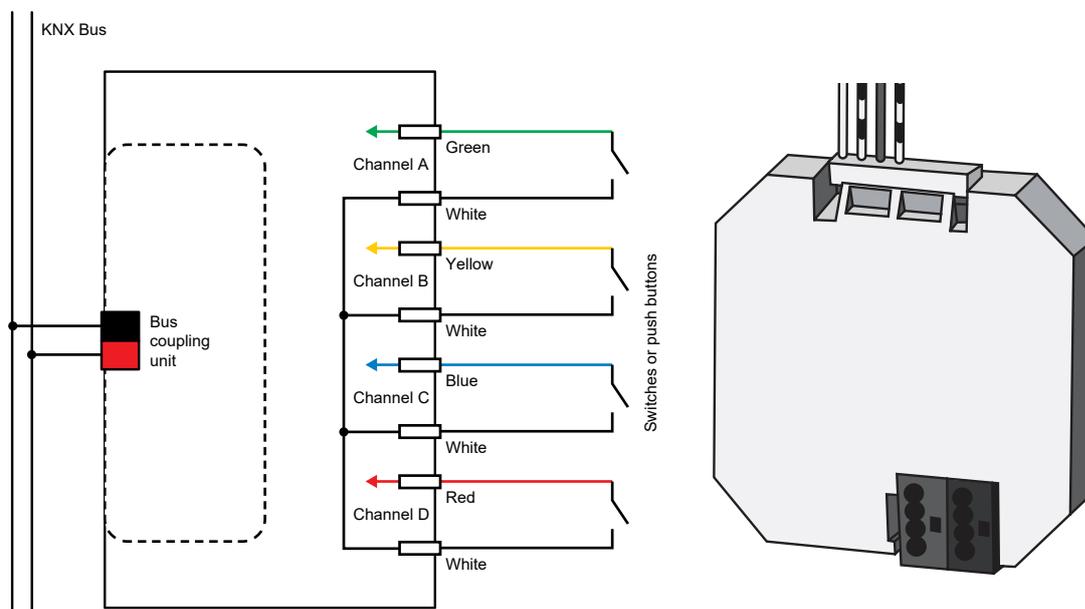
Connecting Dry Contact Voltage Free Inputs

Function	Wire color
COM DC	White
CH A DC	Green
CH B DC	Yellow
CH C DC	Blue
CH D DC	Red

WARNING

Do not connect KNX or Dry Contact wires to mains.
Dry contact and KNX wires are SELV (Safety Extra Low Voltage) and must be double-insulated from mains wiring. Installation must comply with local wiring rules.

3. Electrical Diagram



4. Installation

1. Select a dry location for device and ensure that there is enough physical room for device and switches without applying excessive pressure on wall plate.
2. If mounting behind switch plate ensure that all wires are not damaged and device is isolated from any mains wires that may be present.
3. Connect corresponding dry contact input wires to each dry contact switch. Dry contact wires must not exceed 1 metre if not twisted or 10m if twisted.
4. Connect KNX TP1 bus cable to the KNX terminal. Ensure correct polarity, segregation between wires and segregation to other circuits.
5. Ensure after mounting none of the bare wires are exposed. Apply additional insulation as required. Ensure installation compliance with local wiring rules.
6. To enter programming mode, push programming button once. Programming LED illuminates.
7. After the physical address has been transferred, programming LED will extinguish automatically. To manually exit programming mode press the programming button again. Programming LED extinguishes. Device is now ready to operate.

5. Technical Datasheet

Type	Switch 2 KNX 4
Order code	4260220541233
Communication Bus	1 x KNX bus, 21-30Vdc, bus load: max. 10mA
Control IO	4 x voltage free single pole switched dry contact inputs, SELV
User Controls	KNX Programming push button & LED
Environment	-5° to 45°C operating ambient temperature -25° to 70°C storage temperature 5% to 93% RH non condensing
Compliance	CE, KNX
Construction	Plastic enclosure, PA66
Protection Class	IP20 (EN60529)
Dimensions	H 42mm x W 42mm x D 9mm
Fly leads length	280mm
Weight	Packed weight 43g