

Parameters

Electrical Parameters:	
Buspro power supply	DC12-30V
Buspro power consumption	10mA/DC24V
Environmental Conditions:	
Working temperature	-5°C~45°C
Working relative humidity	Up to 90%
Storage temperature	-20°C~+60°C
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Product Information:	
Dimensions	45×45×16(mm)
Net weight	45(g)
Housing material	ABS
Installation	Screw fix installation
Protection rating	IP20

Important Notes

- **Buspro cable** — HDL Buspro/KNX Cable, 0.8mm single- core copper cable
- **Dry contact signal cable** — Recommend shielded cable, less than 50 meters
- **Buspro connection** — Series connection (hand by hand)
- **Temper-proof** — Need 1 kΩ resister in parallel to dry contact
- **Installation**—Fixed with screws.

HDL Buspro Cable Guide

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/Orange	DC24V	Red
Brown white/Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/Green	DATA+	Yellow

Overview

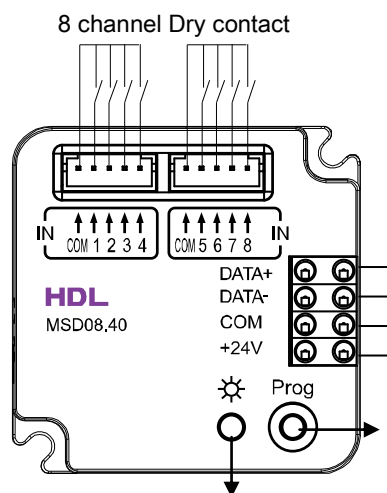
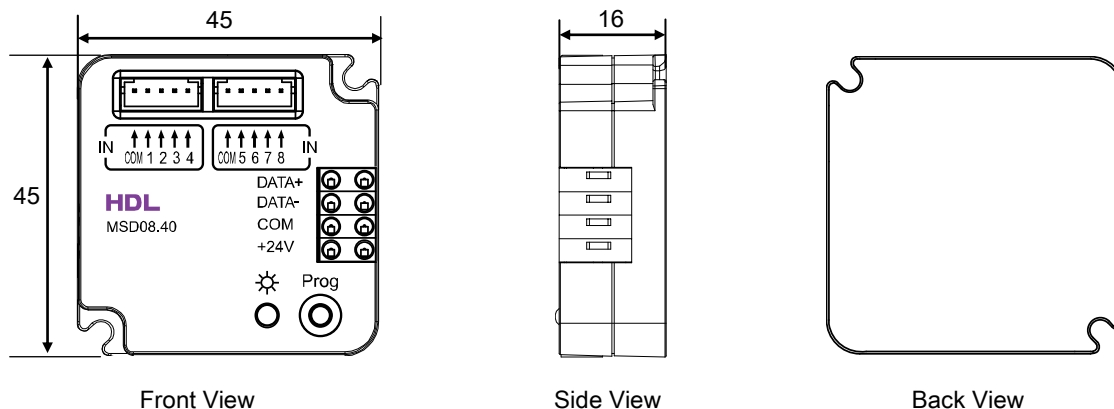


HDL-MSD08.40 8-channel dry contact input module with tamper proof function.

Functions

- 8-channel dry contact input with tamper detection function.
- Supported switch type: Mechanical switch, Single on, Single off, Single on/off, Combination on, Combination off, Multi-function, Parallel switch.
- Supported switch mode: Switch mode, Dimmable two-way, dimmable increase, dimmable reduced.
- Control target type : Scene, Sequence, Universal Switch, Single channel lighting control, Broadcast Scene, Broadcast channel, Curtain Control, Panel Control, GPRS control, Security Module, TT player etc.
- Tamper-proof, need 1K Ohm resister in parallel to dry contact.
- Security function, need to be used with the security module.
- Supports online upgrading by HDL Buspro.

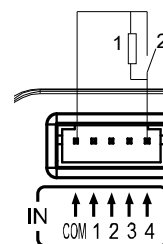
Dimensions and Wiring



CPU indicator:
Green flashing when it is working properly;
Red for modification ID ;
Red flashing for online upgrading firmware.

HDL Buspro interface

Programming button:
Keep pressing for 2s, enable to modify the ID;
Keep pressing the button when power on ,
enable online upgrading firmware form HDL
Buspro.



Temper-proof — Need 1 kΩ re-
sistor (1 in above figure) in parallel
to dry contact(2 in above figure is
the dry contact switch) and ensure
connect the resistor to dry contact
close as much as possible.
Take Channel 4 as an example.
Other channel connections are the
same as Channel 4. No need to
connect in parallel with a resistor to
the channel if the temper-proof
function is not used.

Safety Precautions



- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- Do not get AC power into Buspro wire , it will damage all devices in the system
- Do not get AC power into dry contact and LED driver interface.
- Do not let the device come into contact with liquids and corrosive gases.
- Ensure good ventilation.

Package Contents

- | | |
|--------------------------------------|----|
| ■ Datasheet | ×1 |
| ■ Dry contact sensor (HDL-MSD08.40) | ×1 |
| ■ Bus terminal | ×1 |

