

## Parameters

Electrical Parameters:	
Buspro power supply	12-30VDC
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)
Weight	57(g)
Housing material	ABS
Installation	Screw fix installation
IP Protection	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-in-hand)
- Temper-proof — Need 1 kΩ resistor in parallel to dry contact
- Only support single LED to connect this module indicate the status of each dry input

## HDL Buspro Cable Guide

HDL-Buspro	HDL-Buspro/KNX
DC24V	Red
COM	Black
DATA-	White
DATA+	Yellow

## Overview

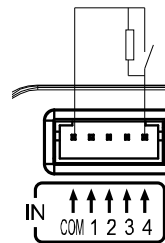
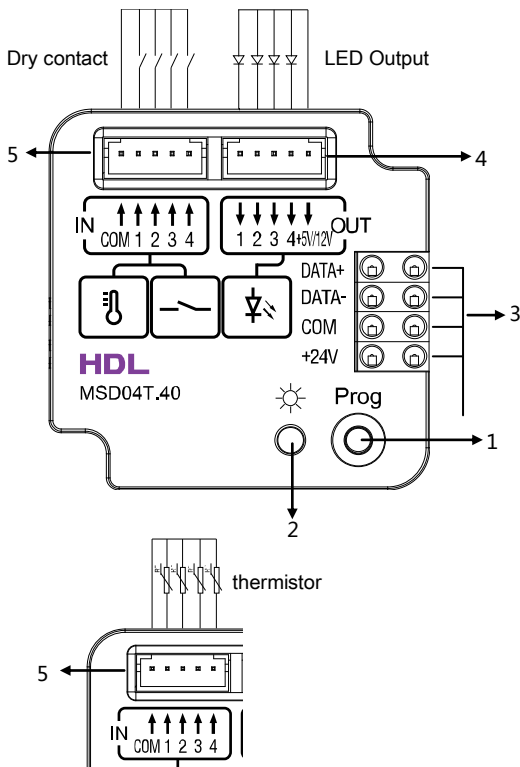
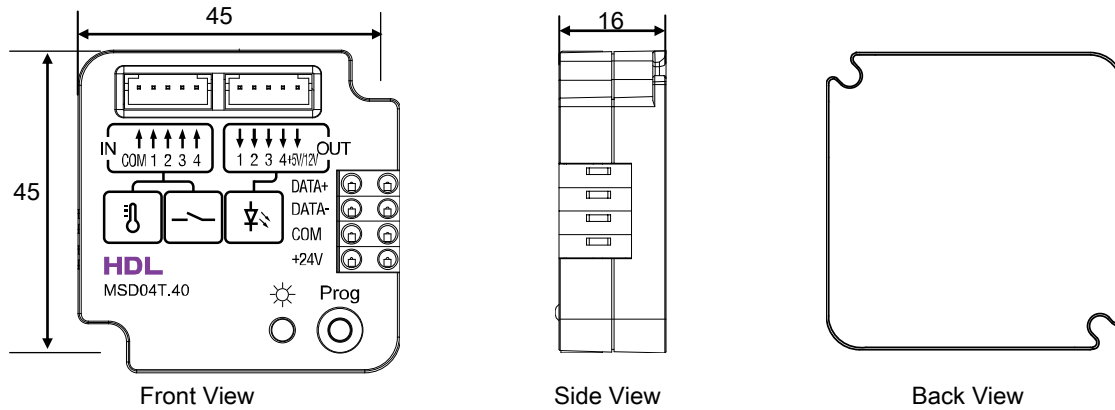


**HDL-MSD04T.40** 4-channel dry contact input module with tamper proof and 4 LED function.

## Functions

- 4-channel dry contact input with tamper detection.
- Supports temperature input
- Support switch type: Mechanical switch, Single on, Single off, Single on/off, Combination on, Combination off, Combination on/off, Multi-function, Parallel switch, Temperature sensor.
- Support 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 resistor in parallel to dry contact .
- Security function, need to be used with the security module.
- Temperature alarm, when the temperature is beyond the range it will be alarm.
- Supports online upgrading by HDL Buspro.

## Dimensions and Wiring



When use the Tamper-proof function, need 1K Ohm resistor in parallel to dry contact .

1. Programming button:
  - Keep pressing for 3s, enable to modify the ID;
  - Keep pressing the button when power on , enable online upgrading firmware form HDL Buspro.
2. CPU indicator:
  - Green flashing when it is working properly;
  - Red for modification ID ;
  - Red flashing for online upgrading firmware.
3. HDL Buspro interface
4. LED output
5. Input , contact to dry contact or themistor.

## Safety Precautions



- The screw down strength is should not exceed 0.1Nm
- 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
- Avoid contact with liquids and corrosive gases.

## Package contents

- Datasheet \*1/ Dry contact sensor ( HDL-MSD04T.40)\*1 / Bus terminal \*1