# HDL® KNX®

## Parameters

| Performance Parameter: | |
|---|---|
| Working power | 21~30VDC |
| BUS interface | KNX/EIB |
| Current | < 10mA |
| KNX Terminials | (Red /Black) 0.75 – 0.85mm single core cable |

| Environmental Conditions: | |
|---|---|
| Working temperature | 0℃~45℃ |
| Working relative Humidity | Up to 90% |
| Storage temperature | -20℃~+60℃ |
| Storage relative humidity | Up to 93% |

| Approved: | |
|---|---|
| CE | |
| RoHS | |

| Production Information: | |
|---|---|
| Dimension | 144×90×66（mm） |
| Net Weight | 239.4g |
| Housing Material | Nylon |
| Installation | Standard 35mm Din Rail Installation |
| Protection Degree | IP20 |

## Important Notes

■ **Special programming** – This device is designed for professional KNX installation. It must be programmed by ETS software.

■ **Cable connections** – Do not get wrong connection for Black and Red wires.

■ **Voltage** - The input of voltage must be between 21-30VDC.

## Installation Steps

■ Mount the device on a DIN rail of DB

■ KNX/EIB cable connection

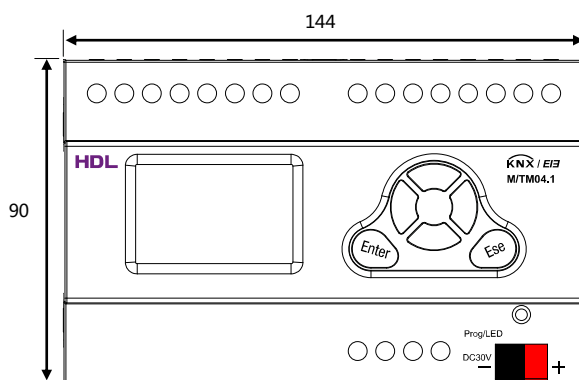■ Make sure the connection is right

## Overview



Timer Master/Slave 4CH Controller is fully complying with European safety standards and KNX association protocol. High Performance EMC Filter is embedded, which is fully complying the requests of EMC in Europe. This timer controller is embedded with RTC, can run real time and can be used as master timer and slave timer.
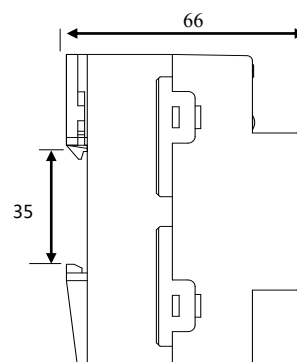
## Functions

■ Master clock
■ Slave clock
■ Year routine
■ Month routine
■ Week routine
■ Day routine
■ Special day
■ Switching control
■ Alarm control
■ Shutter control
■ Scene control
■ Sequence control
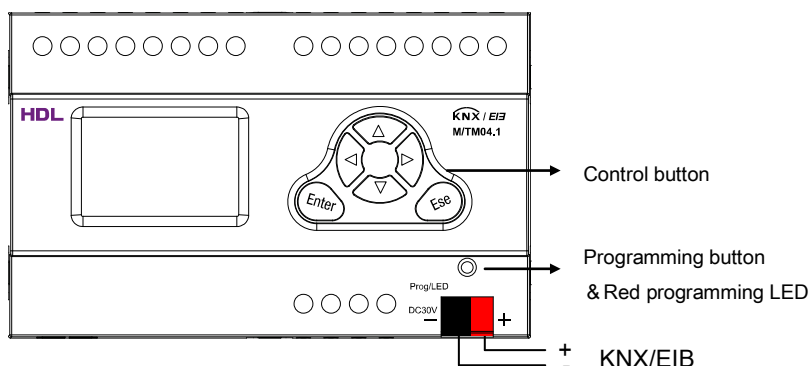■ Percentage control
■ Threshold control
■ Power on recovery

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## Layout and Wiring



Front View



Side View



Control button

Programming button
& Red programming LED

KNX/EIB

**Control button**

【Enter】Confirm button

【Esc】 Esc button

【△】 Page up — used for modifying the setting, when you press, the value will increase

【▽】 Page down — used for modifying the setting, when you press, the value will decrease

【<】 Left Move — used for selecting item and cursor location

【>】 Right Move — used for selecting item and cursor location

## Safety attention ⚠WARNING

- Screw down strength should not exceed 0.4Nm
- Do not get wrong connection on positive and negative for the bus cable
- Never let liquid get into module, it will damage this devices
- Do not get AC voltage into Bus wire , it will damage all devices in the system

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