

M/TM04.1
KNX Master/Slave Timer Controller
Hardware Version: A



Datasheet
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File Edition: V1.0.1



Figure 1. KNX Master/Slave Timer Controller

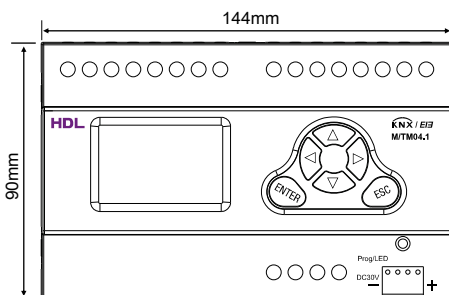


Figure 2. Dimensions - Front View

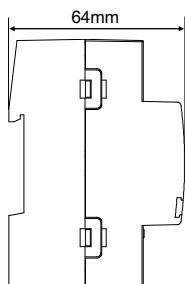


Figure 3. Dimensions - Side View

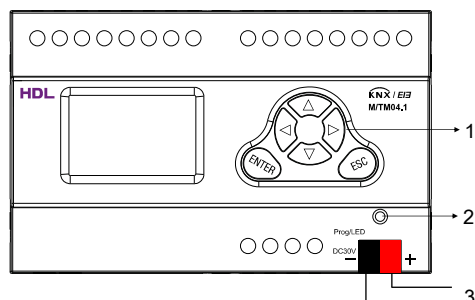


Figure 4. Wiring

Overview

With 4 independent channels and real-time clock, **KNX Master/Slave Timer Controller** (See Figure 1) is capable of running standard time as the master clock or slave clock. The master clock sends the clock information cyclically to KNX/EIB bus to control the schedule, while the slave clock achieves synchronization after receiving the master clock information and also realizes the control of schedule.

Functions

- Multiple routine modes: Year routine, Month routine, Week routine, Day routine, Special day
- Control target types: Switching control, Alarm control, Curtain control, Scene control, Sequence control, Percentage control, Threshold control
- Scene recall function
- Working modes: Master /slave mode

Important Notes

- Installation - Distribution board.
- Programming - The device is compliant with the KNX Standard and the parameters are set via the Engineering Tool Software (ETS).
- The KNX bus voltage is 21-30V DC.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. Control button
 - 【ENTER】 Confirm button
 - 【ESC】 Esc button
 - 【▲】 Page up, used for manual modification, value increases when pushing button
 - 【▼】 Page down, used for manual modification, value decreases when pushing button
 - 【◀】 Left Move, used for selecting items and cursor location
 - 【▶】 Right Move, used for selecting items and cursor location
2. Programming button & indicator
3. KNX/EIB Bus connector

Safety Precautions

- The installation and testing for the product must be carried out by HDL Automation Co., Ltd. or its appointed service agencies. The electric construction shall comply with local laws and safety regulations.
- The device should be installed with DIN rail in DB box. HDL will not be responsible for any consequence caused by the inexpert or faulty installation and wiring methods, which are not in accordance with the instructions contained in this operating instruction.
- Please do not privately disassemble or replace any parts of the product. Otherwise, it may cause mechanical fault, electric shock, fire or personal injuries.
- Please contact our after-sales departments or our designated service agencies for your maintenance service. Product failures caused by private disassembly are not subject to this warranty.

Package Contents

M/TM04.1*1 / Datasheet*1

Technical Data

Basic Parameters

Working voltage	21~30V DC
Working current	10mA/30V DC
Communication	KNX
Cable diameter of KNX terminal	0.6 - 0.8mm

External Environment

Working temperature	-5°C~45°C
Working relative humidity	≤90%
Storage temperature	-20°C~60°C
Storage relative humidity	≤93%

Specifications

Dimensions	144mm×90mm×64mm
Net weight	240g
Housing material	Nylon
Installation	35mm DIN rail installation (See Figure 5 - 7)
Protection rating (Compliant with EN 60529)	IP20

Approved

CE, RoHS

KNX

KNX Cable Guide

KNX	KNX Cable
-	Black
+	Red

Installation

Installation - See Figure 5 - 7

- Step 1. Fix the DIN rail with screws.
- Step 2. Buckle the bottom cap of KNX Master/Slave Timer Controller on the edge of the DIN rail.
- Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.



Figure 5

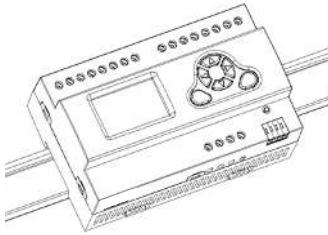


Figure 6

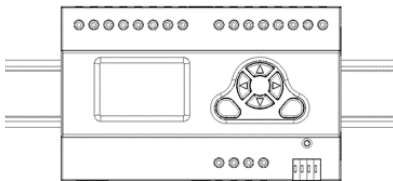


Figure 7

Figure 5 - 7. Installation

Technical support

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