

**Z**modell

1:220

ILLUMINATED  
DC 12V

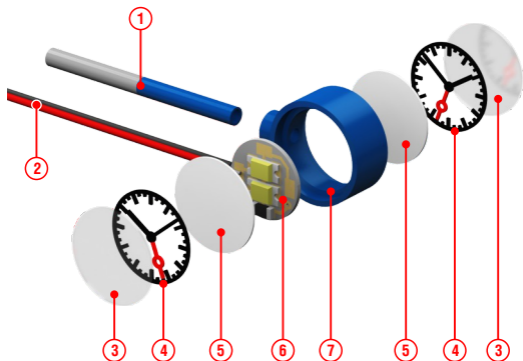
# Railway Station Clock

Germany, Era V-VI



**ZM-UHR-02A**

# Introduction

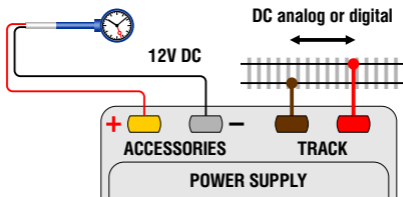


- ➊ 0.8 x 0.1 mm stainless steel tube with double lacquer coating
- ➋ 200 mm 0.28 mm high flexible multicore cables with PTFE insulation
- ➌ Transparent PET film cover
- ➍ 0.1 mm photo-etched nickel silver clock face airbrushed with black lacquer with manually painted red second hand
- ➎ White PET film background/light diffuser
- ➏ 0.2 mm double-sided circuit board with ultra-thin neutral white SMD 0603 LEDs and built-in current limiting resistors
- ➐ SLA 3D printed housing with triple lacquer coating (1 silver layer + 2 color layers)

## Power

The railway station clock should be powered with **8-16 volts DC. 12 V DC** is recommended. Please observe polarity and connect the clock to the accessories output of the power supply. Please do not connect the device to the track output (analog or digital) or to any AC sources.

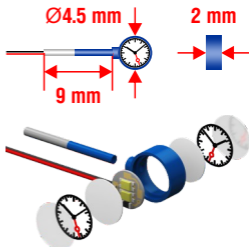
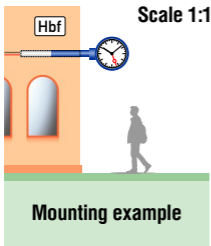
**Information:** The clock is already equipped with built-in current-limiting resistors and can be connected directly to 8-16V DC power sources. For higher supply voltages (e.g. 16-24V DC), consider using an additional resistor.



## Installation

- 1 Drill the hole in the railway station building wall (or any other suitable vertical surface on the layout) using **0.9 mm** drill bit.
- 2 Carefully insert the clock into the hole. Make sure the clock is positioned correctly (the red second hand should point downwards).
- 3 Fix the rear end of the clock mounting tube with glue from inner side of the building wall. It is recommended to use lasercut glue (for example, **Faller® Expert Lasercut Art. No. 170494**); don't use glues for plastic as they may damage the lacquer coating.
- 4 Connect the clock to the power source. Carefully isolate all bare sections of wire with shrinking tube or insulating tape.

**Note:** In case you need to shorten the cables, further stripping of the cables is possible only with a special stripping tool for cables with PTFE insulation like **Rennsteig® 8007 5001 3** or **Pro'sKit® 1PK-3001E**.



Ultra-finely detailed model of the railway station clock features SLA 3D printed housing, stainless steel mounting tube and 3-component clock face with realistic 3D effect: white base plate, photo-etched clock hands with red manually painted second hand and outer transparent cover. The clock is double-sided and illuminated with 4 ultra-thin neutral white LEDs.

**Quantity:** 1 piece    **Scale:** Z scale 1:220    **Country:** Germany    **Era:** V-VI

**Size:** 14 x 4.5 x 2 mm (Length x Clock diameter x Clock thickness)

**Power:** 8-16V DC (12V DC recommended)

**Power consumption:** 1 mA @ 12V DC    **Cable length:** 200 mm

**Information:** The clock is already equipped with built-in current-limiting resistors and can be connected directly to 8-16V DC power sources.

**Suitable for:** Z scale 1:220 layouts and dioramas

Please see the detailed information about the use of this item inside this booklet.

