MOUNTING MANUAL

Model OP 303 *plus* series

Stainless steel slave clock for operating rooms, chemical plants, labors, swimming and fitness centers, food and beverage industry, canteen kitchens, etc.

Measurements wall recess housing:
320 x 320 mm, depth 75 mm
Measurements wall cut-out:
325 x 325 mm

1   Assembly of the OP clock
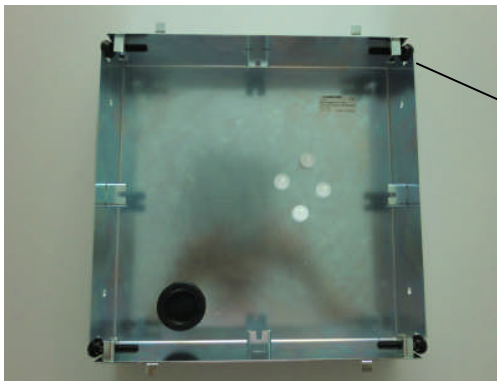
1.1   Clock parts

The OP clock OP 303 *plus* consists of two parts: The wall recess housing (recess depth 75 mm) and the clock module.

1.2   Prepare electric connections

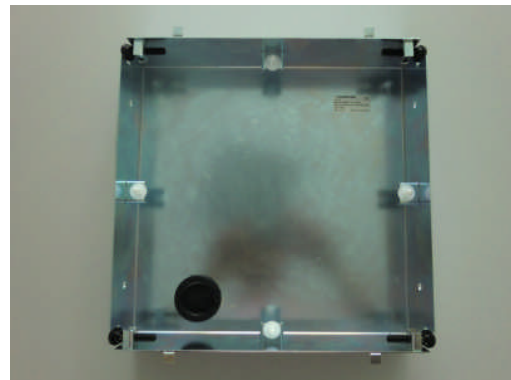Insert connection cables through the membrane rubber sleeve.

1.3   Mount wall recess housing

Insert housing into prepared wall recess 325 x 325 mm and interlock it using the 4 threaded pins (SW 4 mm) in the recess. Check the alignment of the housing using an air level and adjust if necessary.

4 x threaded pins M 8 x 40 mm (SW 4 mm) with pressure pad Ø 18 mm

Insert plastic clips into long holes.

Accurately clip the clock module into the housing (without screws).

1.4   Open clock

Release the clock module from the clips using a thin tool (e.g. knife).

1.5   Cleaning

If necessary, clean clock with a damp (leather) cloth. Clean the stainless steel frame exclusively with stainless steel cleaning agents.

2   Startup of the movement

2.1   Slave clock movement NU 90 (h/min.)

The movement is set to 24V by default, other voltages can be selected on the movement according to the table if needed.

2.2   Slave clock movement E1G / SEI 40 LN – low-noise (h/min./sec.)

The movement E1G is set to 24V by default, other voltages on request.

The movement SEI 40 LN (NU voltage 22-72 V, self-setting), with stepwise or continuous movement of the second hand, adjustable via DIP switch. Further details can be found in the data sheet "SEI 40 LN". For the activation, only a second impulse line is needed.

2.3   Self-setting slave clock movement SAM – low-noise (h/min.)

Self-setting slave clock movement for MOBALine code (h/min.). Control and supply through MOBALine code. The connection is not dependent on polarity. The movement motor begins operation immediately upon connecting. Further details can be found in the data sheet "MLU 190".

2.4   Self-setting slave clock movement SEM 40 LN – low-noise (h/min./sec.)

Self-setting slave clock movement for MOBALine code (h/min./sec.). Control and supply through MOBALine code, with stepwise or continuous movement of the second hand, adjustable via DIP switch. The connection is not dependent on polarity. The movement motors begin operation immediately upon connecting. Further details can be found in the data sheet "SEM 40".

2.5   Self-setting slave clock movement SEN 40 LN – low-noise (h/min./sec.)

Self-setting, low-noise slave clock movement for NTP synchronization (h/min./sec.). Power supply over PoE (Power over Ethernet), with stepwise or continuous movement of the second hand, adjustable via DIP switch. The connection is not dependent on polarity. The movement motors begin operation immediately upon connecting. Further details can be found in the data sheet "SEN 40".

2.6   Self-setting slave clock movement ATBU – low-noise (h/min.)

The connection is not dependent on polarity. The movement motors begin operation immediately upon connecting. Further details can be found in the data sheet "ITBU 190 230".

2.7   Self-setting slave clock movement ITBU – low-noise (h/min./sec.)

The connection is not dependent on polarity. The movement motors begin operation immediately upon connecting. Further details can be found in the data sheet "ITBU 190 S 230".

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