

**MAINS OPERATED
QUARTZ CLOCK
TECHNICAL MANUAL**

WESTERSTRAND URFABRIK AB

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General

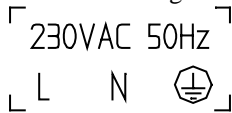
The Quartz-clock is an analogue clock with a built-in high accuracy quartz crystal as a time base. The clock can control up to 3 slave movements connected to a special slave output. Supply voltage is 230 VAC.

If the clock has option External setting device the buttons is located outside clock cover.

Installation

1. Connect 230V 50 Hz according to the connection diagram.
2. Put Slide switch, on movement, in ON-position

Connection diagram 230V/50Hz:



Synchronisation

Use setting buttons located on movement or if option External setting device:

1. Press (external) START/STOP button, to stop the clock.
2. Press (external) RAPID button, to set the hands some minutes ahead of correct time.
3. When correct time = time of hands; Press (external) START/STOP button.

During a power failure the clock is stopped.

If option, running reserve is mounted, the clock will continue to work during the power failure.

Technical data

Connection cable (mains)	3-wire
Connection voltage	230V 50Hz
Crystal frequency	4.194304Mhz
Accuracy	within 0.1 s / 24h (at 20°C) 1s / 24h (-20 to +50 °C)
Temperature range	-20°C to +50°C

Options

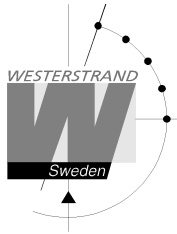
Running reserve	art. no.	113195-00. Lithium battery mounted inside the movement. 12 hours running reserve. Battery life approx. 10 years.
External setting device.	art. no.	113198-00. External buttons (IP-65) for setting clock.

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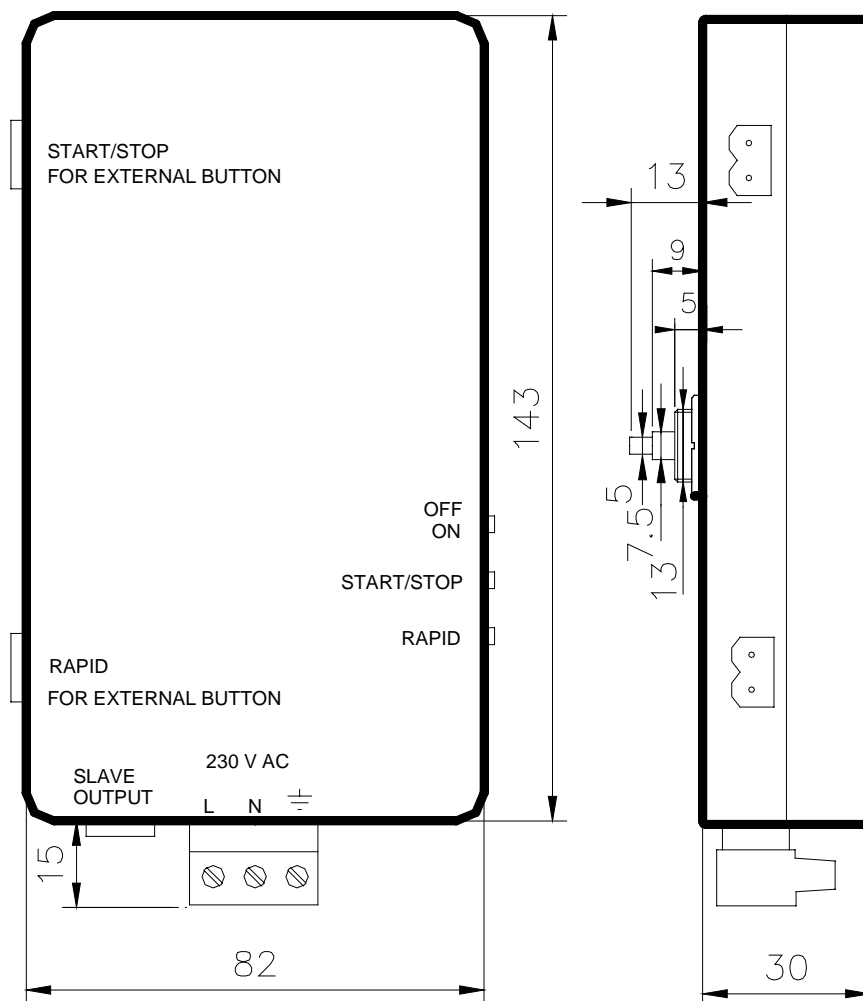
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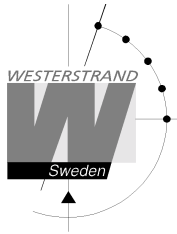
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113100-00

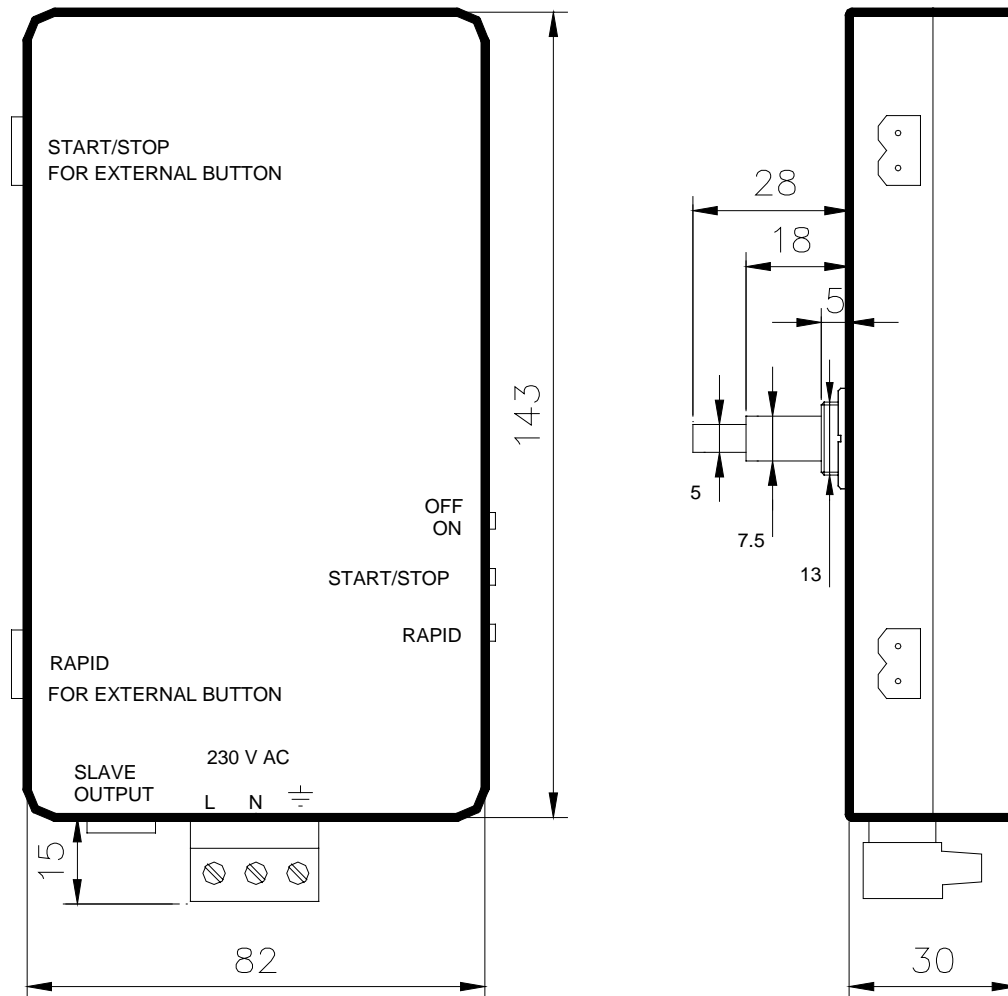
Maximum dial size: 400 mm.





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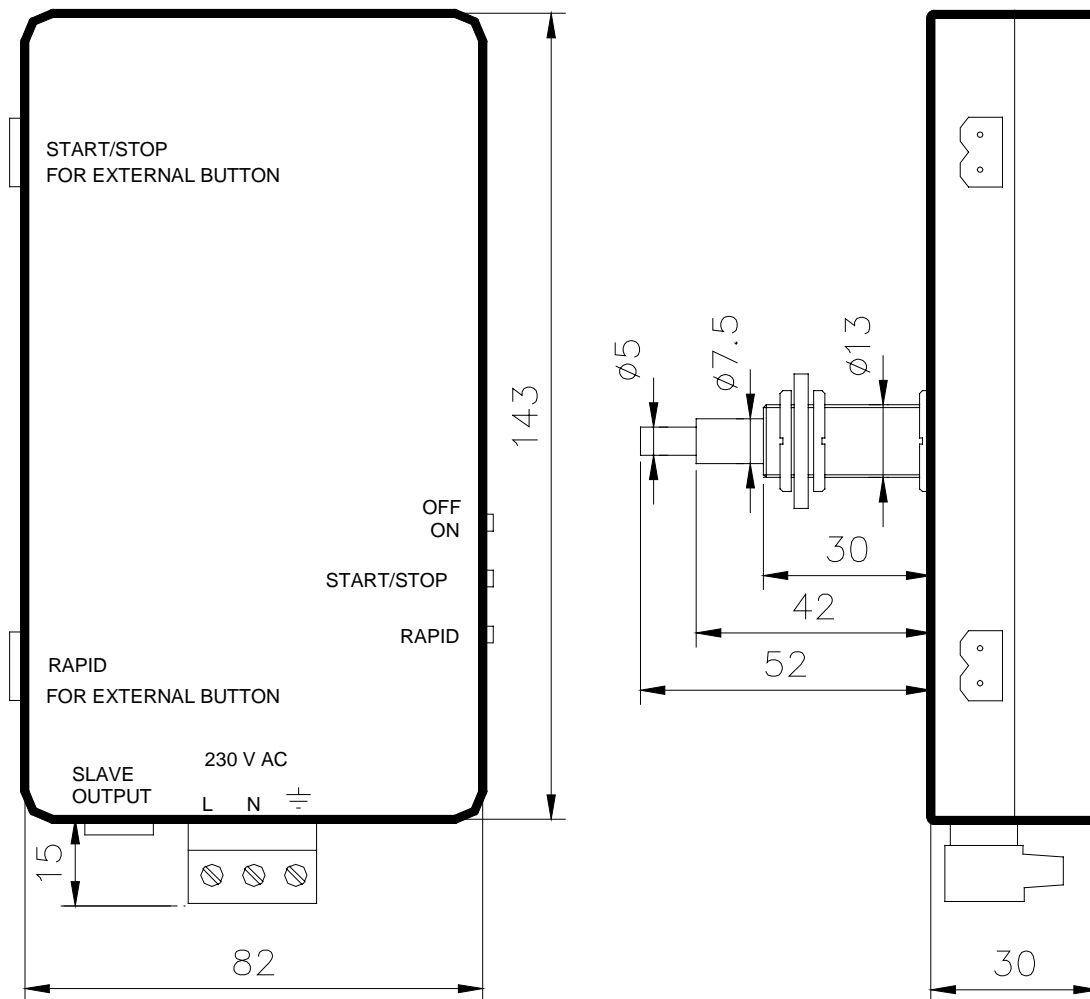
Maximum dial size: 900 mm. , Maximum size of minute hand: 410 mm.

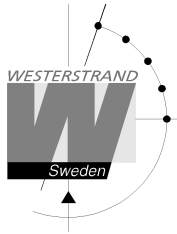




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Maximum dial size 900 mm, max. minute hand 410 mm, with extended shaft for background illumination.





Connection of slave movement.

