

360 Mini Impulse Master Clock

Operating Manual

SPECIFICATIONS:

Mains:	230/240VAC 50Hz, approx. 7.5VA
External Supply:	12/24VDC or rechargeable battery 75mAh
Time Base:	Quartz Crystal, accuracy: 0.2 sec/day at 20-21° C
Output Capacity:	12/24VDC 150/75mA for up to 10x slave clocks
Output protection:	Short circuit protected
Impulse:	Polereversing minute impulse, 1.5 sec duration
Installation:	Wall or DIN rail mounting
Case Material:	Grey thermo-plastic, RAL 7035, fire retardant
Mounting base:	Reinforced glass fibre
Dimensions:	WxHxD 105x94x63mm
Weight:	approx. 400g

Commissioning:

Make sure the 3-position slide switch is in the 'stop' position and the on/off button is off. Install the wall clocks and set all slave clocks to the same time. Connect the impulse cable to the master. Connect the master to power. Turn the 'on/off' switch 'on'. Advance the slave clocks by sliding the 3-position switch into 'advance' until the clocks display accurate time. Return the switch to 'stop'. Check if all clocks display the same time. Manually correct all clocks that are one minute late and reverse the polarity. Slide the 3-position switch into 'advance' and let the wall clocks run forward until they catch up with 'real' time. Return the switch to 'stop'. Wait until real time is precisely

one minute ahead of the time displayed on the wall clocks. (The Telstra talking clock can be phoned on 1194) On the exact second count move the 3-position switch into the 'run' position. The master will start sending one minute impulse immediately.

The LED indicates the outgoing minute or the fast correction impulse. To avoid impulses being interrupted during setting operations a delay has been built into the circuit. That is why the master may not react immediately if the switch is turned into 'advance'. If the switch is moved into 'stop' impulses might still be send for a short time.

