

Mounting Instructions for Secondary Clock Movement NU90 /t and NU91 /t

These secondary clock movements in advanced technology can be operated as 12, 24, 48 or 60 V DC polarised minute impulse (on special request also for 1/2-minute impulse available). They are suitable for in- and outdoor clocks with protected hands up to Ø80 cm.

1. Operating voltage:

The operating voltage is factory set to 24 VDC. If other voltage required, set DIP.- switch according to diagram on back side of movement.



2.1 For clocks with metal dial use model NU90, NU91

Fasten movement with central fixing screw to dial (thickness max. 3,5mm or 7mm according to type of movement). The movement can be operated in any position. Normally the DIP-switch should be at the bottom position.

2.2 For illuminated clocks with glass dial use NU90t, NU91t

For transparent clocks with glass dial (thickness max. 12 mm) movement NU90t with long hand shaft 36mm must be used. Place spacer piece (one or two as per thickness of dial), cardboard disk and rubber washer and insert movement from backside into centre hole of dial. Place further rubber disk from frontside and tighten movement with the central fixing screw.

3. Mounting of hands

Place hour hand on hour shaft. The bushing can be compressed so that the hand fits tight. If necessary, apply only one small dab of Loctite 242 or similar to the hour shaft which prevents the hand slipping over time. Then place minute hand on minute shaft and tighten screw on side of split clamp block. Note: Both hands should be aligned to be on an exact hour before clamping. Make sure that the hands do not touch each other.

4. Connection

Connect cables from master clock to the green two-pole plug. If there would be a difference of 1min. between master dock and secondary dock lime, move the plug to the opposite pair of pins to reverse polarity.

5. Hand setting

The hands can be set either by the rear back setting knob (by means of a screw driver) or, in case of outdoor or double faced docks, by the side setting shaft (with extension shaft and coupling).