

Mounting instructions for 4-sided external clock PROFILINE (Execution for central pole fixing "ZM")

Before the mounting, please check the following (Fig. 2):

- About 30 cm beneath the top of the pole an opening "F" must be foreseen (no sharp edges) - in customer's central pole "E" for the connection cables "G".
- The carrying capacity of the central pole "E" must be controlled for the clock weight as per this table!

Clock with nominal dial Ø 60 cm		Clock with nominal dial Ø 80 cm	
without illumination	with illumination	without illumination	with illumination
102 kg	110 kg	165 kg	170 kg

1. Mounting and installation

1.1 Access to the inside of the clock (Fig. 1)

Remove the base plates "B1" and "B2" with a 6 mm hexagon socket screw key (8 screws "A" with washers)

1.2 Mounting and installation on central pole "E" (Fig. 2)

Slide the clock over the central pole "E". The centering plates "D1" to "D4" are adjusted in the factory on the pole diameter indicated by the customer. Smaller diameter corrections can be executed with a 6 mm hexagon socket screw key on the screws "C".

Turn the clock horizontally to the desired viewing position.

Secure the clock against torsion: At least one centering plate "D1" or "D2" must be drilled and screwed into the central pole on position "X".

1.3 Cable connection (Fig. 2)

According to the type of clock (without/with illumination, without/with second hand, etc.), connect the cables "G" (for minute impulses, MOBALine-, DCF- or AFNOR- code), power supply cable 230V/50Hz (for second hands and/or for SAA, SFA & SFT movements), as well as power supply cable 230 VAC (for the switchable dial illumination) to the corresponding terminals "H".

1.4 Adjust the clock on the time of the day (for minute impulse movements and autonomous movements QU+BU192)

All 4 dials with **movements A: NU90 or F: NU90/SYN**, for polarized minute impulses, must indicate the same time, i.e. 1200, in order to enable a mutual time resetting with the controlling master clock. Time differences can be corrected on the adjusting axle of the slave clock movements.

All 4 slave clock movements are adjusted on 24 V- polarized minute impulses from the factory. They can, however, be easily switched over to 12, 48 or 60 V-by means of a DIP-switch by the customer.

For a clock with **QU192 + BU192 movements**: Time adjustment by means of remote control switch unit as per BE-800163 / chapter 5.3.

1.5 Fixing of the base plates (Fig. 1)

Fix the 2 base plates "B1" and "B2" by means of a 6 mm hexagon socket screw key (8 screws "A" with washers).

2. Service and maintenance work

2.1 Replacement of the fluorescent tubes

Open the clock housing corresponding to 1.1

For the replacement of the fluorescent tubes (4 units) the following types shall be used:

Clock with nominal dial Ø 60 cm		Clock with nominal dial Ø 80 cm	
FL tubes	Ø 26 x 438 mm	FL tubes	Ø 26 x 600 mm
Colour	cool white	Colour	cool white
Type (capacity)	TLD15W (15 Watt)	Type (capacity)	TLD18W (18 Watt)

2.2 Opening of single clocks (Fig. 3 to 5)

Loosen 2 screws "J" with a 6 mm hexagon socket screw key and remove covering sheet "K" (Fig. 3).

Loosen 2 screws "L" with a 6 mm hexagon socket screw key and remove lateral profile "M" (Fig. 4).

Dial with movement and/or glass can only be pulled out laterally (Fig. 5)

When re-installing the dial and/or the covering glass attention must be paid to, that these will be completely pushed into the foreseen slot in the aluminium profile.

Previously the electrical movement connections and the hands fixing should be checked.



Fig. 1

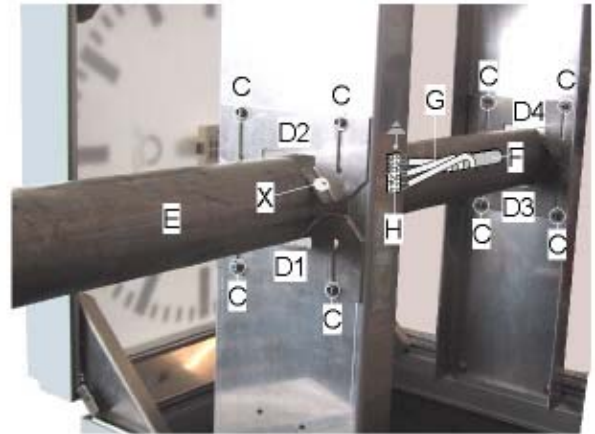


Fig. 2



Fig. 3



Fig. 4

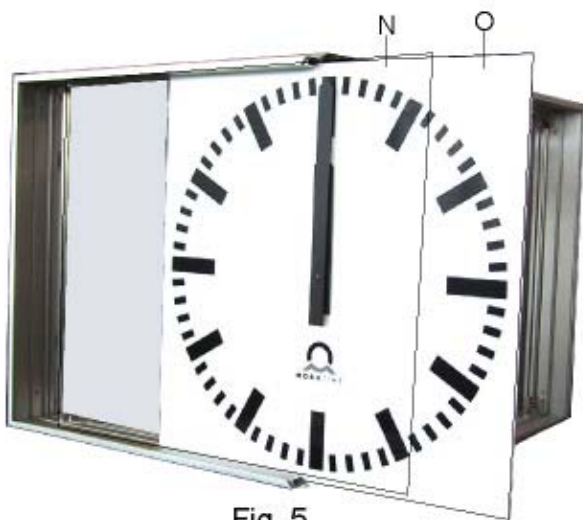


Fig. 5