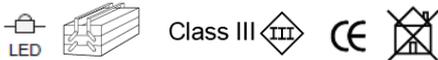
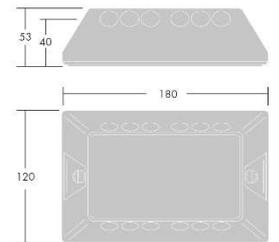


UK Installation Instructions
DE Montageanleitung
CZ Montážní návod
DK Monteringsvejledning
EE Paigaldusjuhend

FI Asennusohje
FR Notice de montage
HU Szerelési útmutató
IT Montavimo Instrukcijos
LT Montavimo Instrukcijos

LV Instalācijas instrukcija
NO Monteringsanvisning
PL Instrukcja montażu
SE Installationsanvisning
RU Инструкция по монтажу

TYPE:



1

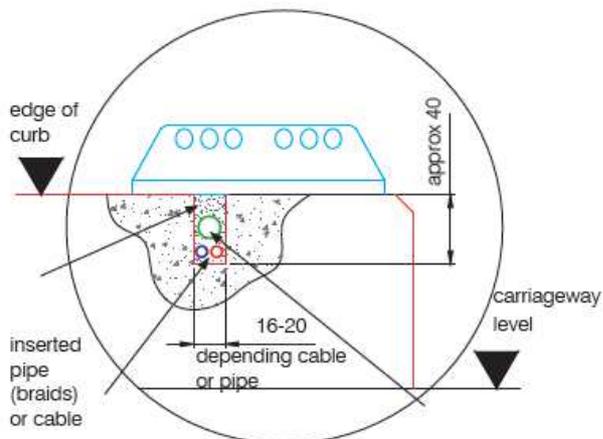
Pre-work

1. Measuring of distances between the signal units and marking by means of spray colour.
2. For the mounting of the LED-units and inserting the connecting cables (2 braids 2,5 mm², heat proof), slots of a minimal dimension of 6 mm width and 20mm depth have to be milled in the shoulder.
3. Inserting of cables and leading out at the marked places.
4. Leading out the braids at the marked places, with a reserve loop. Fixing of the ends by means of a distance piece. Size should correspond approximately to the dimension between centre lines of the cable inputs.



Pre-work

5. After inserting the cables, the slot has to be sealed by sealing compound (e.g. coldly processable and therefore flexible groove sealing compound).
6. Assembly of control unit and power supply into the build-lateral switchgear cabinet.
7. Workshop-lateral preparation of the lower parts of the units: After definition of the mounting points, (4 possibilities available, lower part can be turned around 180°), perforate with a drill of a maximal dimension of 6 mm.



Attention:

The signal units TGR may not mingle with bitumen or products containing solvent such as acetone, nitro-diluter. Cleaning of the units only with water and liquid soap.

Assembly

1. Skinning the cables at lowest place



2. Marking out the correct assembly position by means of a drilling jig (furnished) and a stop angle.

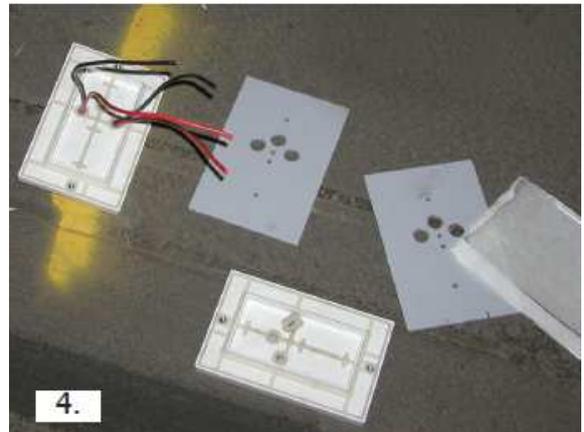


3. Drilling of assembly points by impact drilling machine.

Drill of max. diameter of 7 mm for nylon pegs with dimension of 6 mm. Selecting the drilling depth so that a fixation in the concrete is possible.



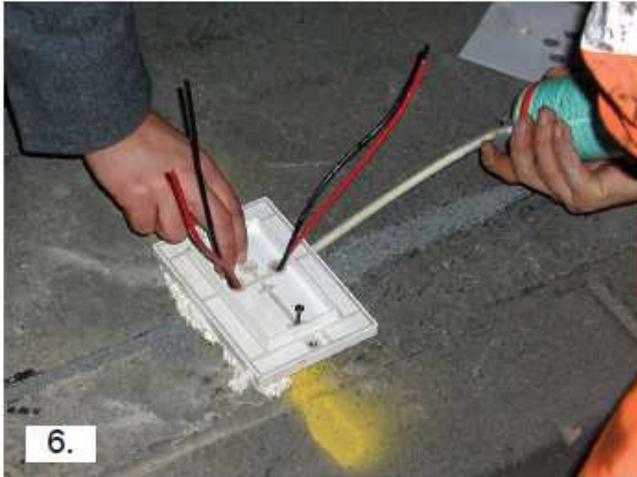
4. Inserting of braids. 3 insertions are available



5. Assembly of lower part with stainless screws (quality 1.4401)
Important: only pre-mounting, no tightening of the screws!

Assembly

6. Foaming the lower part with a water-rejecting compound: equalise of unevenness, absolute impermeability!



7. Tightening the screws



8. The final assembly of the LED upper parts can take place only after the assembly of all lower parts. Cutting the braids to approx. 10 cm.



9. Definitive connection of the LED-units (upper part) by means of stainless spring-type clamps (max. diameter 2,5 mm², no conductor sleeve necessary).



10. Attaching and screwing together upper and lower part by means of stainless, captive screws. A camber by tightening of the screws is irrelevant. A special double-seal-system guarantees a protection class of IP67.



Completing works / Start-up

1. Drawing in and attaching all feeding cables for the LED units into the cross connectors.



2. Choice of suitable control signal on the LED-units (in accordance with engineering)



3. Function control and start-up of the installation!



Notes

Notes

Notes