MANUAL FOR HEATING KIT HL82, FITTING TO HL80-SERIES

DELIVERY INCLUDES:

- HEATING TAPE
 THERMAL INSULATION TAPE
 CABLE CLIP
 PARALLEL HEATING TAPE

MANUAL:

- 1) CLEAN CAREFULLY BODY IN THE RANGE OF THE BALL JOINT.
- 2) START WRAPPING A PART OF THE HEATING TAPE (50 mm \times 10 m) AROUND THE BODY. 3) AFTERWARDS WRAPP THE PARALLEL HEATING TAPE (18W/M, 230V) AROUND THE BODY.

- 4) FIX THE HEATING TAPE WITH THE CABLE CLIP ON THE BODY (SEE PICTURE 1). 5) WRAP THE REST OF THE HEATING TAPE (50 MM X 10 M) AROUND THE BODY
- AND THE PARALLEL HEATING TAPE. (SEE PICTURE 2)
- 6) WRAP THE TAPE (6 X 40 X 2000 mm) ALL OVER THE BODY



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WITH SHORT-CIRCUIT PROTECTION 10A MUST BE INSTALLED. AUTOMATIC CIRCUIT-BREAKER MUST HAVE CHARACTERISTICS C, PROTECTIVE SWITCH 30 mA, 100 ms INDIVIDUAL CIRCUMSTANCES — ESPECIALLY CEILING STRUCTURE THICKNESS ACCORDING TO CABLE LENGHT. CONNECTION IS MADE IN ELECTRICAL BOX SITUATED UNDER SUPPORTING STRUCTURE ACCORDING TO HEATING BELT IS ATTACHED THROUGH ELECTRICAL CABLE TO 230V. LENGHT OF THE CABLE IS 0,8 m

HEATING BELT POWER OUTPUT CHANGES ACCORDING TO OUTSIDE TEMPERATURE CHANGES

+10°C 5,55W

+ 5°C 9,25W

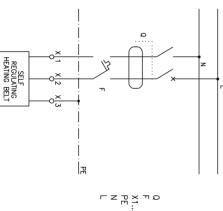
SELF-REGULATING HEATING BELT REACTS TO OUTSIDE TEMPERATURE WHEN VOLTAGE IS PRESENT. VDE 0721, PART 1/3.78 AND REG. NR. VDE1008. USE OF THERMOSTATS WITH MOIST SENSOR IS RECOMMENDED. HEATING BELT IS TESTED ACCORDING TO MORE DRAINS TO BIGGER HEATING SYSTEMS FOR EXAMPLE IN COMBINATION WITH SPOUTING HEATING +5° CELSIUS CAN BE CONSIDERED AS MINIMUM TEMPERATURE FOR CONTACT MAKING. WHEN CONNECTING THERMOSTAT SETTING IS INFLUENCED BY SPECIFIC CLIMATIC CONDITIONS AND BUILDING SITE. USUALLY SYSTEM OFF IN SUMMER TIME ESPECIALLY WHEN MORE DRAINS ARE PRESENT. USEFUL FOR REGULATION. MANUAL CONTROL FOR HEATING RAISES HUMAN FAILURE FACTOR FOR SETTING ACCORDING TO THIS IT HEATS ALSO IN SUMMER TIME (SEE TABLE). OUTDOOR THERMOSTAT IS VERY

NETWORK CAN BE MADE ONLY BY SPECIALIZED COMPANIES. CONNECTION DESIGN, USAGE MANUAL (EVENT. OPERATING INSTRUCTIONS) AND CONNECTION TO ELECTRICAL

ELECTRICAL CONNECTIONS AND REQUIREMENTS FOR MOUNTING HEATED DRAINS HAVE TO BE REALIZED ACCORDING TO STANDARDS AND REGULATIONS VALID IN YOUR COUNTRY

L0G) BEFORE CONNECTING IT TO ELECTRICAL BOX AND MEASURED VALUES RECORD TO TEST PROTOCOL (OR BUILDING WE RECOMMEND TO TEST WORKING CIRCUITS, RESISTANCE ON PHASE AND NEUTRAL WIRES ON HEATING BELT

CONNECTING SCHEME



X1....X3 CLAMPS SWITCH (EVENT. CONTACTOR REGULATED BY THERMOSTAT) CURRENT GUARD

EARTHING CONDUCTOR NEUTRAL CONDUCTOR PHASE CONDUCTOR