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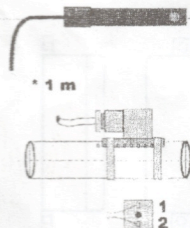
Connection of outdoor sensor – To, NTC 20 K Ohm

Outdoor temperature sensors is set in plastic boxes with IP54 protection and dimensions 105 x 45 x 40 mm. Box can be attached on outdoor side building (preferably northern or northwest) in height about 4m, so that sensor can't be influenced with warmth fading from building nor sunshine. Connection with regulator is done with two-vein cable. Do not store supply cable in concurrence with power conductors.

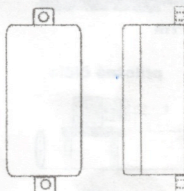
Heating water sensor assembly – Ts, NTC 20 K Ohm

Heating water sense organ is placed on output pipeline behind mixing valve and circulating pump. Sensor is supplied with . Contact surface must be clean (remove any paint). Sensor must be tightly attached to the surface. Use thermal paste and prevent any influence of other heat sources.

Heating water sensor - Ts



Outdoor sensor - TV



Minimal diameters of cables for sensors as a function of lenght:
 up to 20m 2x0,5mm², up to 50m 2x 0,75m²

Engineering characteristic

Operation temperature - 40 to 100°C	* Max. Temperature cable -15 to 70 °C
Resistance and 25°C = 20K Ohm	Max. Power requirement 0,005W
Component tolerance +- 0,5°C to 25°C	Component tolerance +- 1°C 0 to 70°C