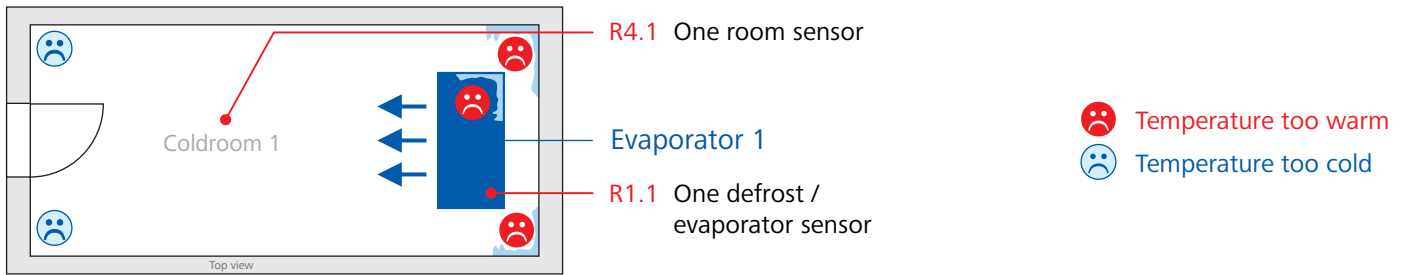


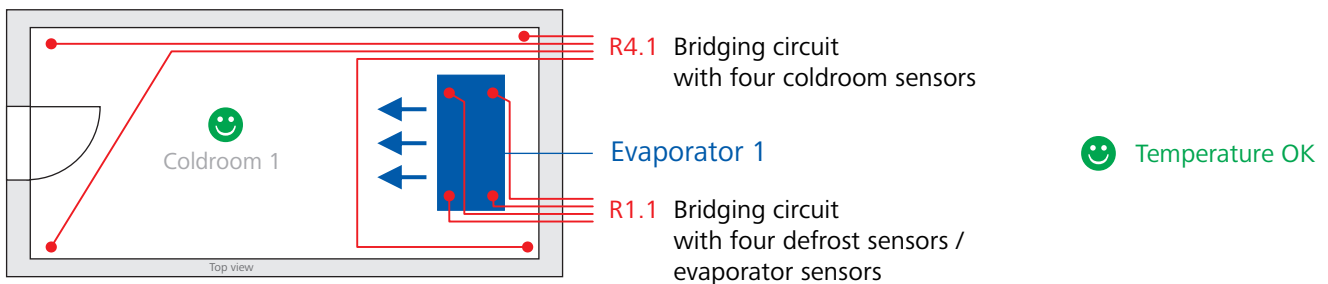
## E\*LDS for systematic cooling

### Bridging circuit - Averaging with 4 temperature sensors

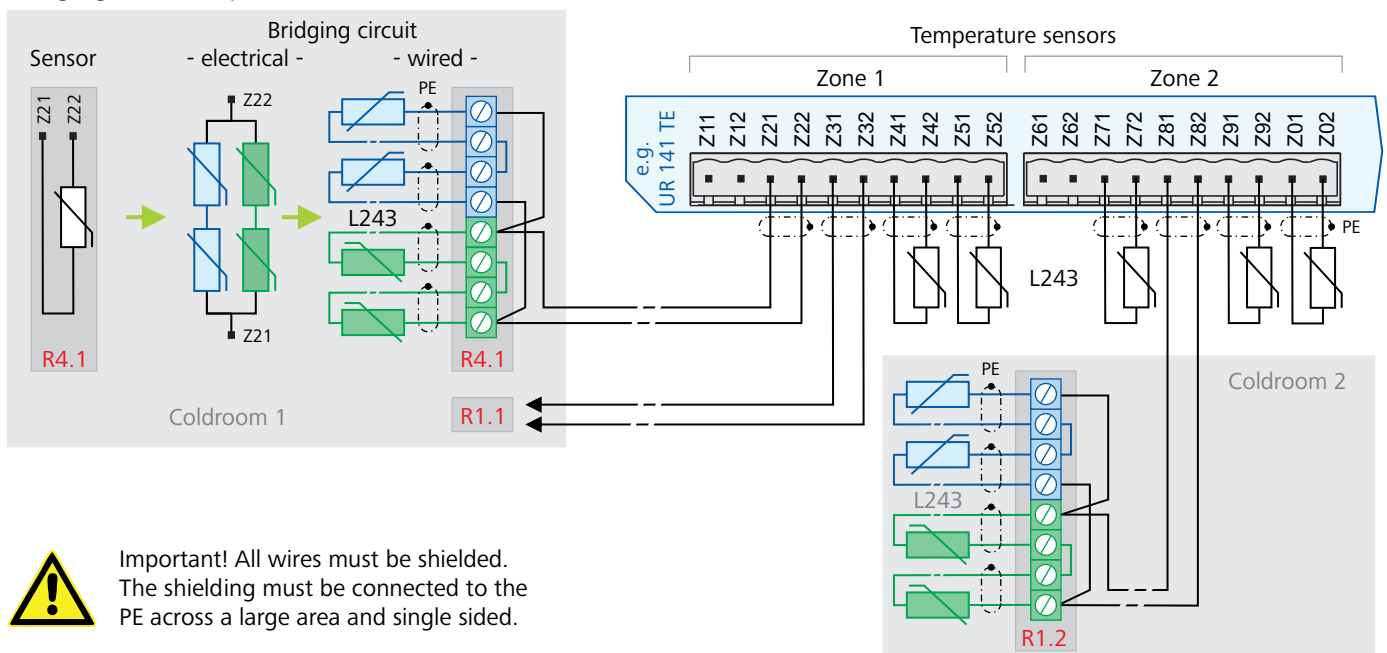
Task: Under certain circumstances, in large coldrooms in which one temperature sensor has been installed, the temperature measured at the installation point is not sufficiently representative for regulation. Due to the spatial and air conditions this can result in problems with the defrost or the icing of the evaporator!



Solution: If required, a bridge circuit composed of 4 sensors of the same type (e.g. L243) located at selected, representative points in the coldroom or evaporator can be used to improve controller behaviour. The bridging circuit can be used for every temperature sensor!



### Bridging circuit in practice



Important! All wires must be shielded. The shielding must be connected to the PE across a large area and single sided.