



## Jupiter 7 day programmable thermostat Installation Guide

### Pre installation information

The JUPITER 7 day programmable thermostat (Art. Nr. 211010) comes complete with European round back boxes and white high gloss plastic frame. (RAL 9010)  
Partition wall back boxes (Art. Nr. 211 014) are 62mm deep and require a 64mm diameter hole. Solid wall back boxes Art. Nr. (211 012) are 40mm deep and also require a 64mm diameter hole.

### Wiring

Each thermostat requires a 1mm – 1.5mm 3 core cable to run to its respective manifold wiring centre. Power to each manifold and wiring centre should be housed in the form of a switched fused spur. The Jupiter 7 day programmable thermostat operates on 240V mains. Due to using mains voltage and the sensitivity of the controllers, remote sensors (Air sensors Art. Nr. 211 020, floor sensors Art. Nr. 211 022) should be installed in wet room areas. Remote sensors are connected to the thermostat via simple two core wire between 0.5 – 1.5mm.

Floor sensors probes are delivered with 6 m cable and should be positioned above the aluminium diffuser plate of the JUPITER IDEAL system. The panels can be indented slightly to accept the probe so that the surface above still sits flat on the heating panel.

### Wiring centre

The wiring centres come in two forms – 8 way wiring centre (Art. Nr. 211040) for up to 8 thermostats and 5 way wiring centre (Art. Nr. 211030) for up to 5 thermostats. Each thermostat can control up to 4 actuators – actuator cables may need to be altered to fit in push in connectors within the wiring centre. For situations where more than 4 actuators are required it suggested that an external din rail system is used to distribute the signal from the wiring centre to the actuators.

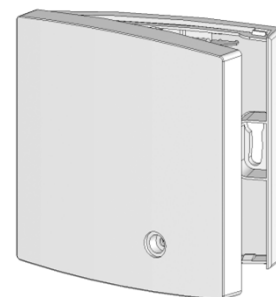
All wiring centres are delivered with pump logic which automatically provides a demand signal for external appliances such as pumps and / or heat sources. If required, a demand signal should be taken from the 'pump' connection. Dual signal requirement i.e. local mixing valve pump and demand signal to heat source should be done via further junction box housed externally to wiring centre.



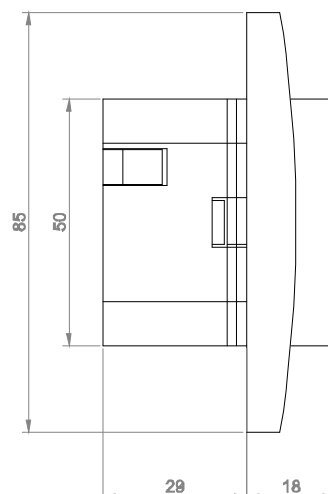
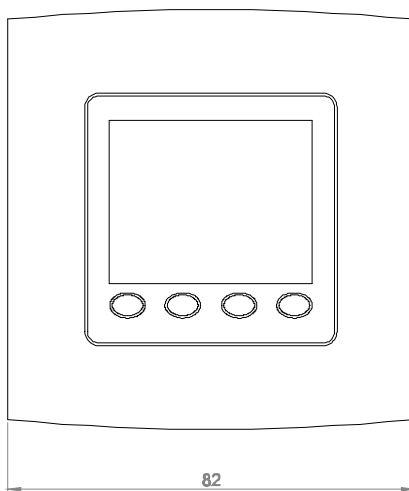
Partition wall back box  
(Art. Nr. 211 014)



Solid wall back box  
(Art. Nr. 211 012)

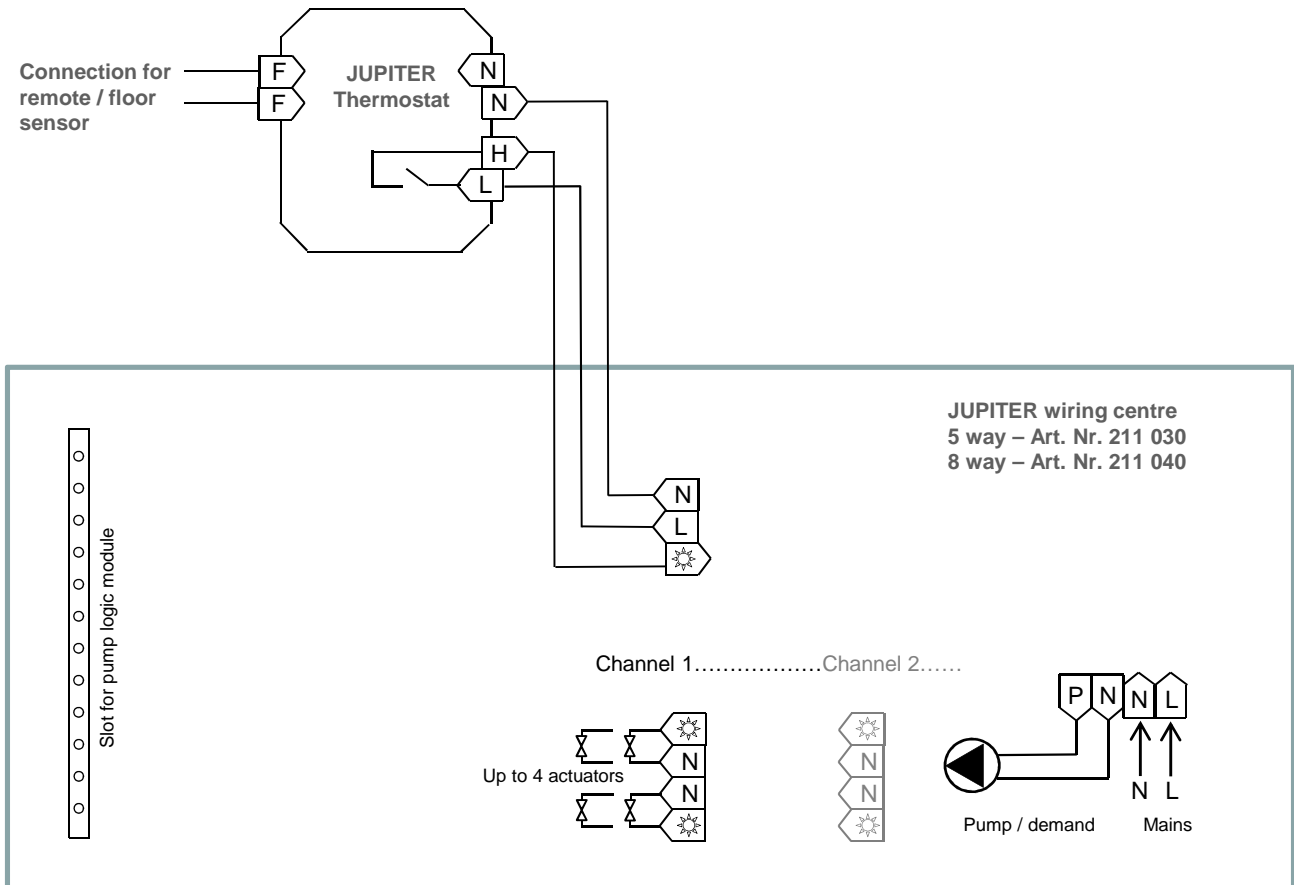


Remote air sensor  
White – RAL 9010  
(Art. Nr. 211 020)  
78mm x 78mm x 12mm

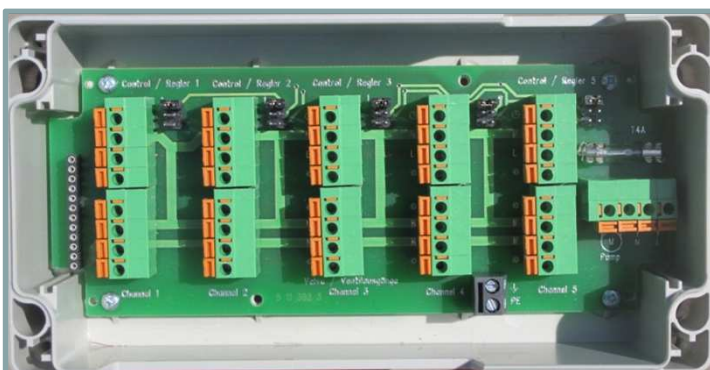




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Wiring centre schematic (applies to both 5 and 8 channel unit)



JUPITER IDEAL element showing positioning of floor sensor