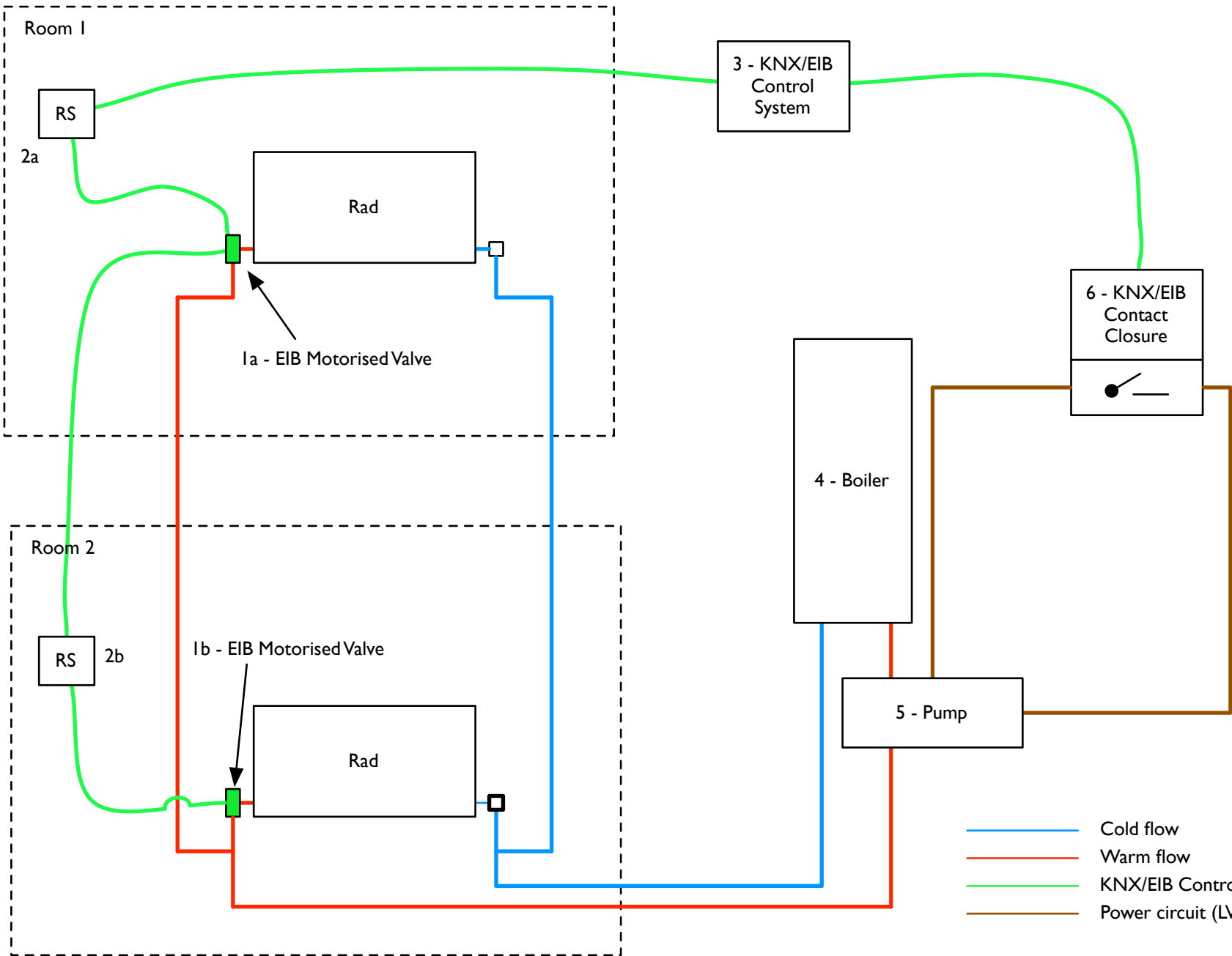


**Example Heating Control with KNX/EIB**



This diagram provides a simple view of heating control when using KNX/EIB and individual motorised radiator valves (1a & 1b).

There are two rooms, each with a KNX/EIB enabled room stat (2a & 2b).

The KNX/EIB control system (3) contains the timing programs and heating levels.

Assume that the timer says heating should be on. Room 1 set point is 22 degrees. Actual temperature is 20 degrees.

The room stat 2a identifies this. It sends a control message to valve 1a to open 30% to allow hot water into the rad.

When valve 1a gets the message to open it sends a notification message to the control system (3) to say it is open.

The control system is programmed to say if at any valve (1a or 1b) are open then send a trigger to the contact closure (6). This is a relay that triggers a microswitch in the pump.

This turns the pump on, triggering the boiler to fire if required.

- Cold flow
- Warm flow
- KNX/EIB Control Cable
- Power circuit (LV or 230V as required)