

# R-AQUA

## Lucht/Water warmtepompen

1. Meegeleverde kabels
2. Aansluitschema's

1) Communicatiekabel:

CN3 (binnenunit) -> CN 12 (buitenunit)

Zie gele markeringen op de circuit diagrams van de binnen- en buitenunit



2) Temperatuursensor watertank:

CN9 (binnenunit)

Zie groene markeringen op het circuit diagram van de binnenunit



3) Kabel voor ruimtetemperatuursensor:

CN8 (binnenunit) + ruimtetemperatuursensor

Zie groene markeringen op het circuit diagram van de binnenunit



1) Reservekabel voor de bediening:

CN4 (binnenunit)

Indien je de bediening op een andere plaats wil installeren.

Zie blauwe markering op het circuit diagram van de binnenunit

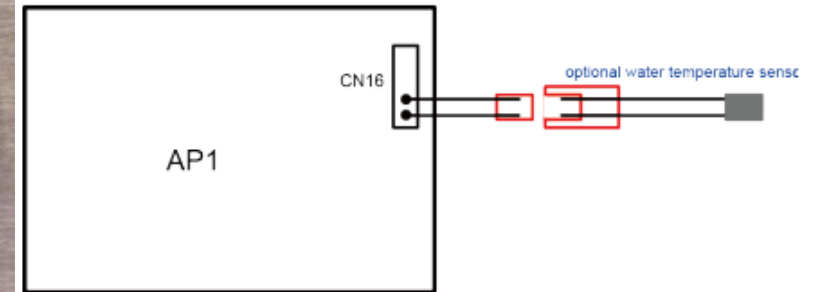


2) Optionele watertemperatuursensor:

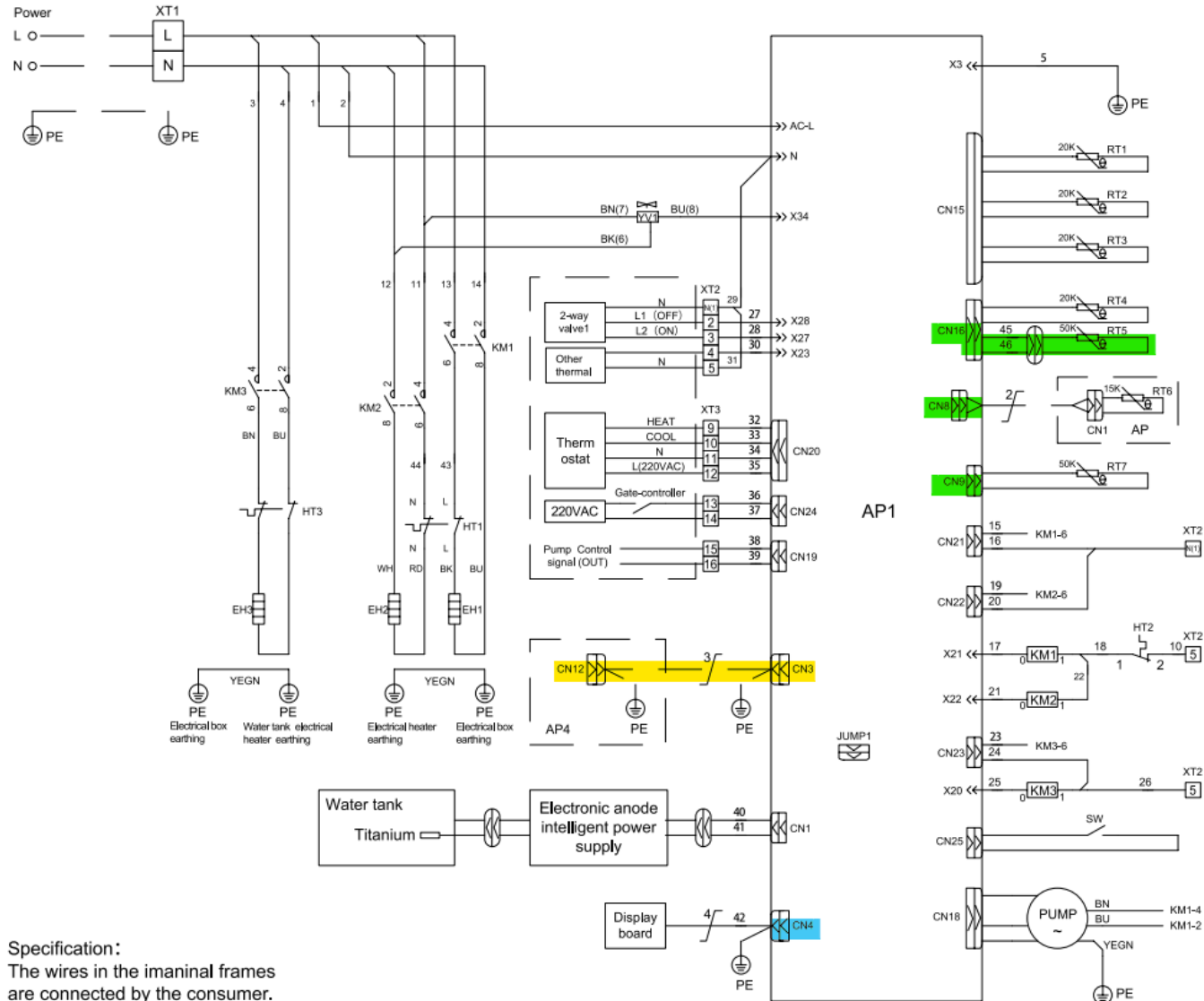
CN16 – RT5 (binnenunit)

Enkel aan te sluiten als er een supplementaire thermische bron gebruikt wordt (bivalente werking)

Zie groene markering op het circuit diagram van de binnenunit



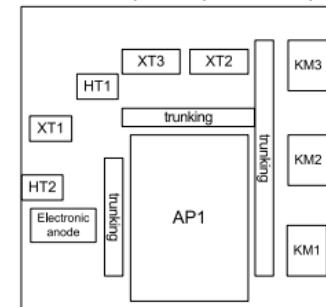
# R-AQUA Binnenunit



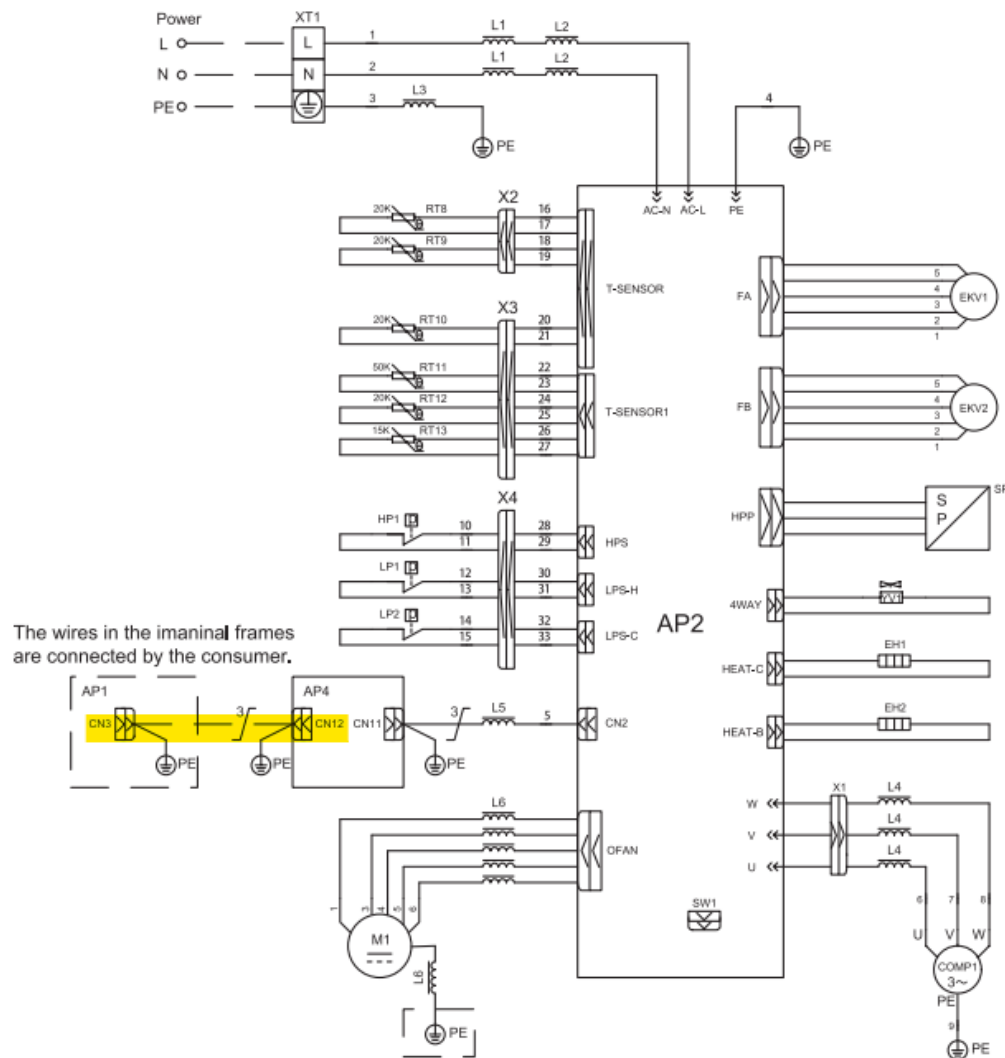
Specification:  
The wires in the internal frames are connected by the consumer.

| CODE | NAME                                    |
|------|---|
| AP   | Main board only for RT6                 |
| AP1  | Indoor unit main board                  |
| AP4  | Communication interface board           |
| EH1  | Optional electric heater 1              |
| EH2  | Optional electric heater 2              |
| EH3  | Water tank electric heater              |
| HT1  | Thermostat 1                            |
| HT2  | Thermostat 2                            |
| HT3  | Thermostat 3                            |
| KM1  | Optional electric heater 1 AC contactor |
| KM2  | Optional electric heater 2 AC contactor |
| KM3  | Water tank electric heater AC contactor |
| PUMP | Indoor unit pump                        |
| RT1  | Water-in temp.sensor of the whole unit  |
| RT2  | Water-out temp.sensor of the whole unit |
| RT3  | Liquid pipe temp.sensor                 |
| RT4  | Gas pipe temp.sensor                    |
| RT5  | Optional water temp.sensor              |
| RT6  | Remote room temp.sensor                 |
| RT7  | Water-tank temp.sensor                  |
| SW   | Waterflow switch                        |
| XT1  | Power terminal block                    |
| XT2  | Terminal block                          |
| XT3  | Terminal block                          |
| YV1  | Performer of the electric ball valve    |

Electric component position map



# R-AQUA buitenunit



| CODE  | NAME                                      |
|-------|---|
| AP1   | Indoor unit main board                    |
| AP2   | Outdoor unit main board                   |
| AP4   | Communication interface board             |
| COMP1 | Compressor                                |
| EH1   | Compressor band heater                    |
| EH2   | Bottom band heater                        |
| EKV1  | Main electronic expansion valve coil      |
| EKV2  | Auxiliary electronic expansion valve coil |
| HP1   | High pressure switch                      |
| L1-L6 | Magnetic ring                             |
| LP1   | Low pressure switch for heating           |
| LP2   | Low pressure switch for cooling           |
| M1    | DC motor                                  |
| RT8   | Inlet temp.sensor of economizer           |
| RT9   | Outlet temp.sensor of economizer          |
| RT10  | Defrosting temp.sensor                    |
| RT11  | Discharged temp.sensor                    |
| RT12  | Suction temp.sensor                       |
| RT13  | Outdoor temp.sensor                       |
| SP    | High pressure sensor                      |
| XT1   | Power terminal block                      |
| YV1   | 4-way valve coil                          |

