

## Configuration

### System mode\*:

Off  
- K7 off  
- K8 off

Cooling  
- K1 on  
- K2 on  
- K4 on  
- K7 on  
- K8 on

Heating  
- K1 off  
- K2 off  
- K4 off  
- K7 on  
- K8 on

### Fan only mode

- K1 off  
- K2 on  
- K4 off  
- K7 off  
- K8 on

\* SW1 off forces system mode to off.  
SW1 should normally be on.

### Fan mode:

Auto (equivalent to off in fan-only mode)  
- K3 off

On  
- K3 on

### Calling for heat/cooling:

Zone 1  
- K5 on

Zone 2  
- K6 on

## EWC-OR-3 Behavior

### System mode:

Off  
- HVAC-12 not connected  
- HVAC-18 not connected

Cooling  
- HVAC-12 connected to HVAC-14  
- HVAC-18 connected to HVAC-19  
- HVAC-15 connected to HVAC-14 if fan auto

Heating  
- HVAC-12 connected to HVAC-11  
- HVAC-18 connected to HVAC-17  
- HVAC-15 not connected if fan auto

Fan only mode  
- HVAC-12 not connected  
- HVAC-18 connected to HVAC-19

### Fan mode:

Auto  
- HVAC-15 connected to HVAC-14 if cooling  
- HVAC-15 not connected otherwise

On  
- HVAC-15 connected to HVAC-16

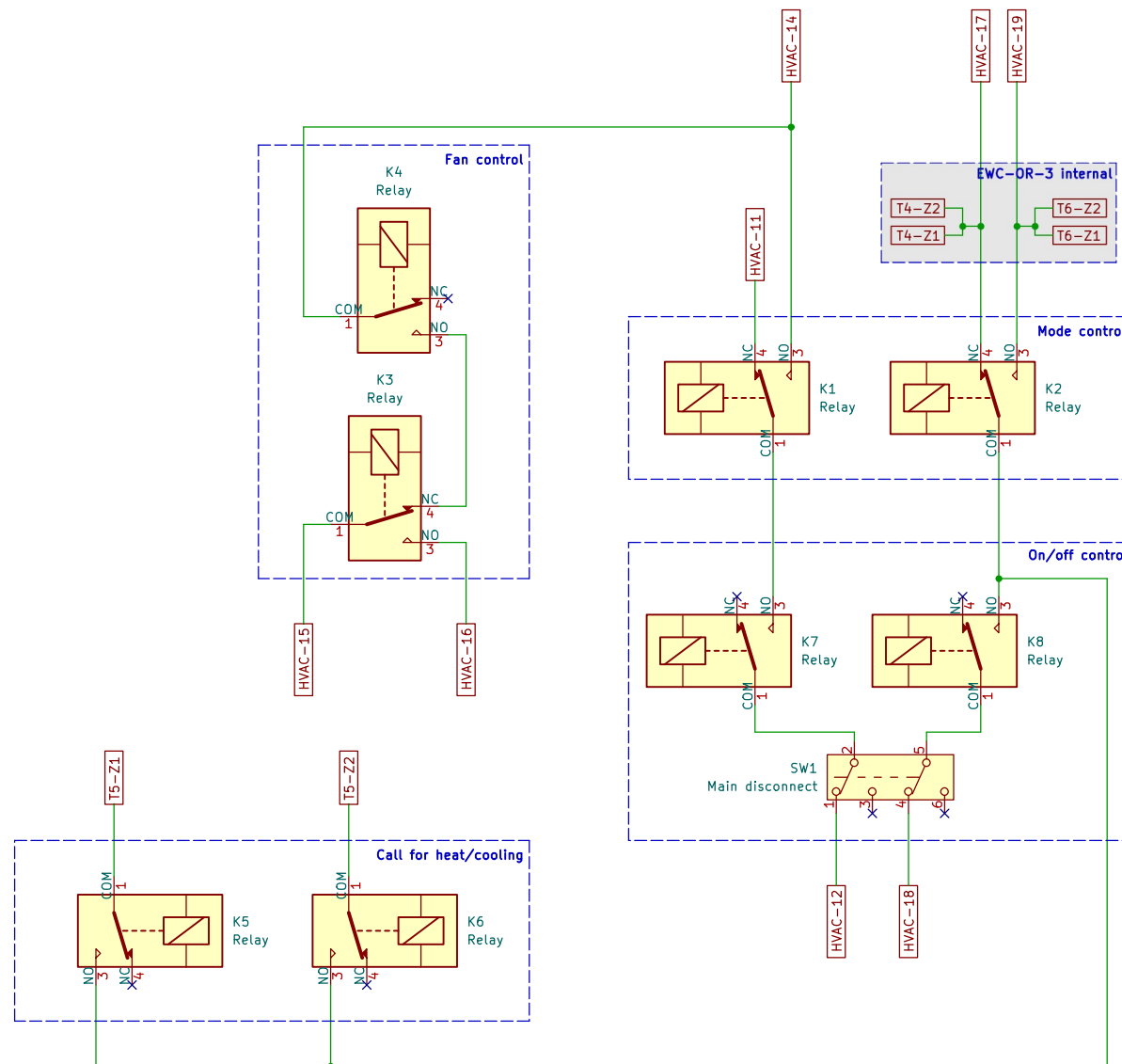
### Calling for heat/cooling:

Zone 1  
- T5-Z1 connected to T6-Z1 if cooling  
- T5-Z1 connected to T4-Z1 if heating  
- T6-Z1 is always connected to HVAC-19  
- T4-Z1 is always connected to HVAC-17

Zone 2  
- T5-Z2 connected to T6-Z2 if cooling  
- T5-Z2 connected to T4-Z2 if heating  
- T6-Z2 is always connected to HVAC-19  
- T4-Z2 is always connected to HVAC-17

### Relay states

	on	off
K1	cooling	heating
K2	cooling	heating
K3	fan on	fan auto
K4	cooling	heating
K5	zone 1 call	zone 1 no call
K6	zone 2 call	zone 2 no call
K7	system on	system off
K8	system on	system off



For EWC-OR-3 control panel

Relays K1..K8 are remotely controlled (not shown)  
[github.com/mjec/esphome-config](https://github.com/mjec/esphome-config)

Emjek Cordover

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**Title: Remote HVAC system selector and call**

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