Automate climate regulation at home

"Energy Management: THP1+ 1C"

Customer case

The homeowner wants to increase user comfort and optimize energy consumption by automatically controlling heating.

Our recommendation

Use an electronic programmable thermostat to monitor and regulate ambient temperature from +6°C to +30°C according to 3 temperature set points:
- Comfort: when the premises are occupied.
- Reduced: when the premises are unoccupied.
- Above freezing: for an extended period of vacancy.

Benefits

- Automation provides significant energy optimization and greater comfort.
- The THP1+ 1C programmable thermostat has a built-in clock and its main menu is used to set 3 temperature sets, assign these temperatures to a maximum of 42 switching operations over 7 days.
- Use of adjustable and non-adjustable probes to measure the ambient temperature.
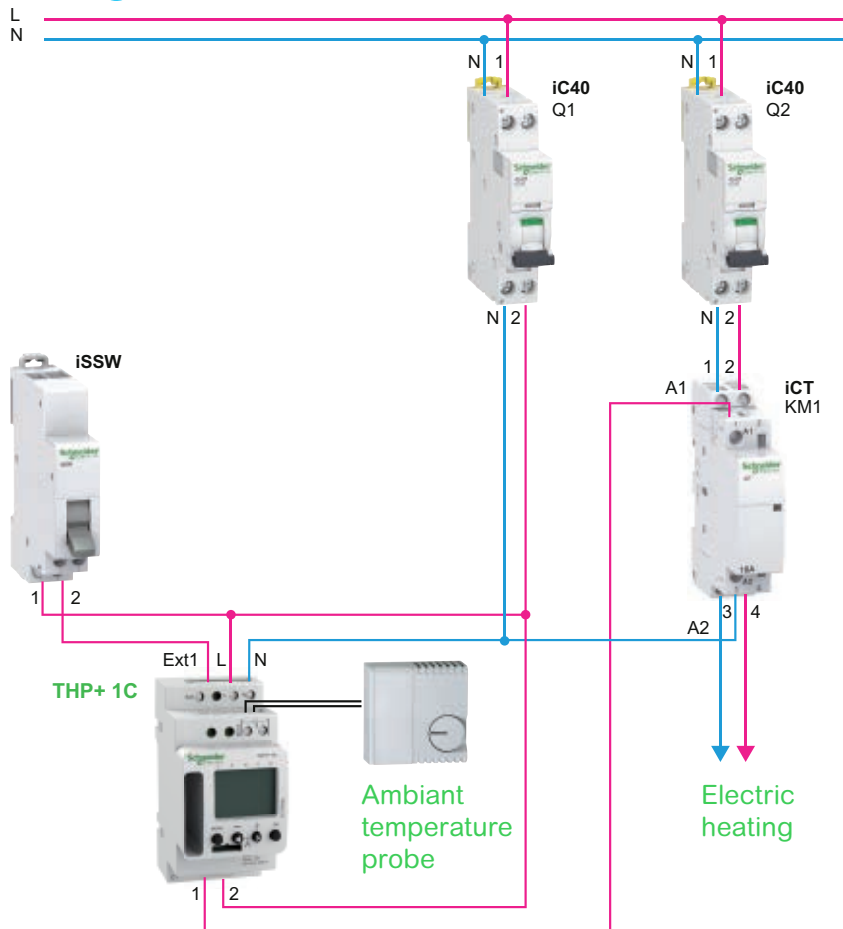- Comfort, Reduced and Above freezing set points are displayed on LCD screen.

se.com

Life Is On

Schneider Electric

Solution

Diagram

Specifications

- The electronic programmable thermostat can be equipped with an ambient temperature probe that regulates the temperature according to the temperature set points programmed by the user. The adjustable ambient temperature probe may easily be replaced by a non-adjustable probe.
- The electronic programmable thermostat controls directly the heating operation or via a power contactor, depending on the load characteristics.

Products used			
Product	Function	Quantity	Reference
Acti9 THP1+ 1C	Electronic programmable thermostat	1	CCT15834
Adjustable/non-adjustable probes	Measure ambient temperature	1	15836/15835
Acti9 iC40 2P	MCB Q1, Q2	2	Depend on rating
Acti9 iCT 2P	Modular contactor KM1	1	Depend on rating
Acti9 iSSW	Changeover switch	1	A9E18070

More about THP+ 1C

Scan or click on QR code

se.com

Life Is On | Schneider Electric