

Outdoor frost protection



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Customer's needs

The homeowner wants to keep outdoor areas such as vehicle access ramps, pavements, loading platforms or entrances ice-free during the winter times.

Recommendation

Use an electronic thermostat with a wide setting range (from -40°C to +80°C) to control heating cables when it is necessary.

+ Customer advantages

- Automation provides significant energy savings and greater safety.
- Safety is enhanced with the sealable swivel cover on front face.
- The output contacts positions (On/Off) are displayed on front face with led indicator.

Product advantages

- Mechanical compatibility with electrical distribution comb busbar for easier installation on symmetrical rail.
- Screwless terminals for easy and fast connection.
- High load capacity, up to 16 A (pf =1).
- Free voltage output contacts (NO-C-NC type).

> Zoom on

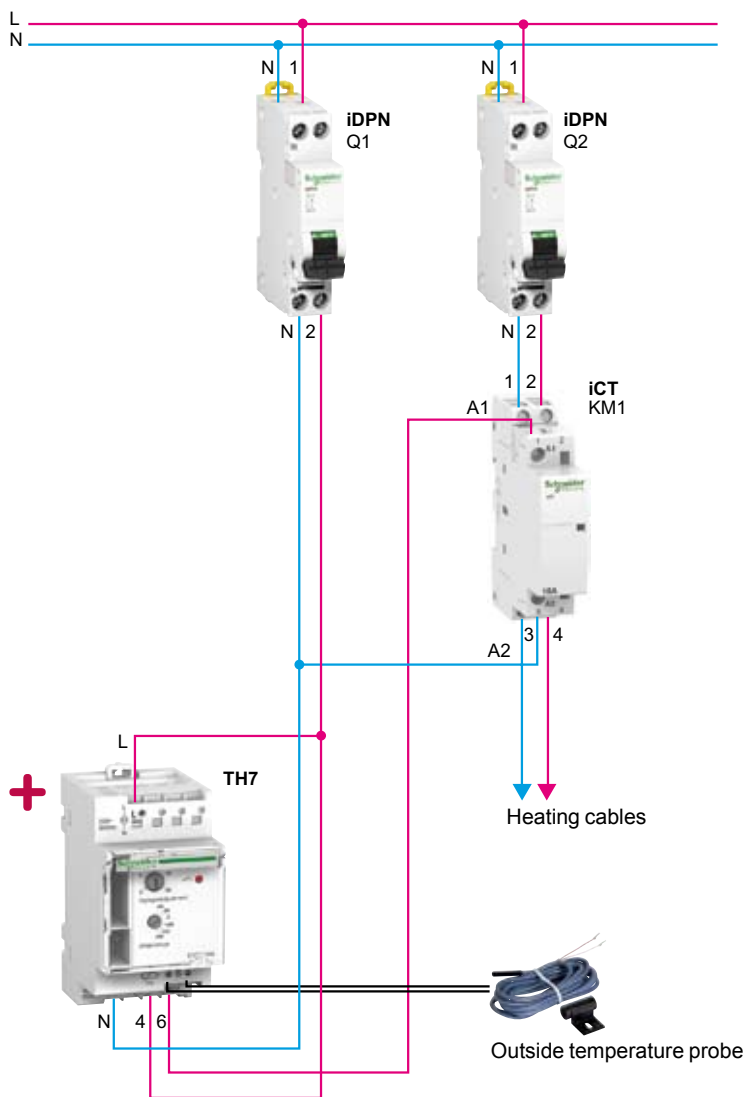
TH7

For more safety



TH7

Solution diagram



- The TH7 thermostat, equipped with an outside temperature probe, switches heating cables On or Off.
- The outside temperature probe may easily be replaced by floor,(CCT15845) collar (CC15848) or ambient temperature probes (CCT15846) depending on the application types.
- The TH7 thermostat controls directly the heating operation or via a iCT power contactor depending on the load characteristics.

> Products used

Product	Description	Unit	Reference
TH7	Electronic thermostat (delivered without probe)	1	CCT15840
Temperature probe	Outside temperature probe with 2 m cable	1	CCT15847
iDPN (Q1,Q2)	MCB 2 pole	2	
iCT(KM1)	Modular contactor 2 pole	1	

