

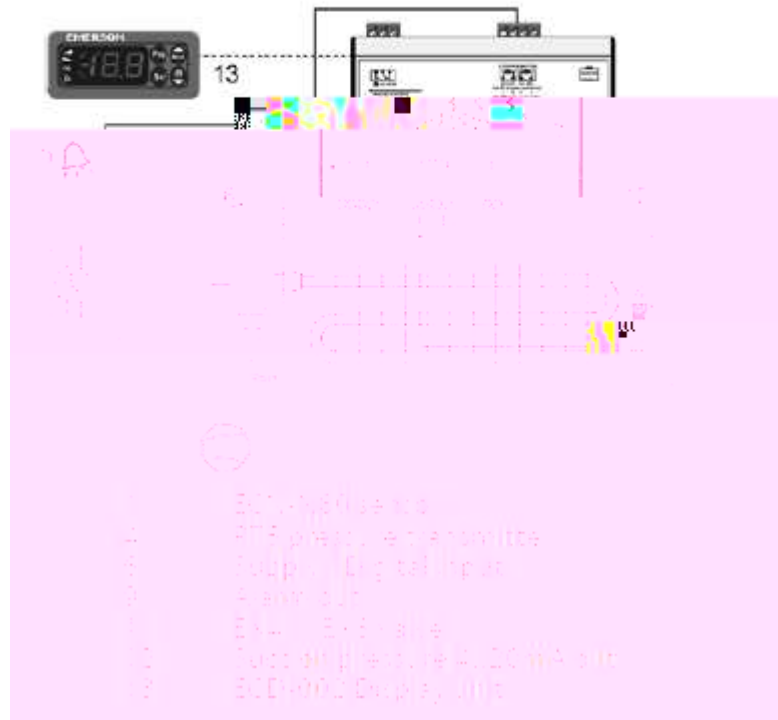


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Refrigeration control solutions

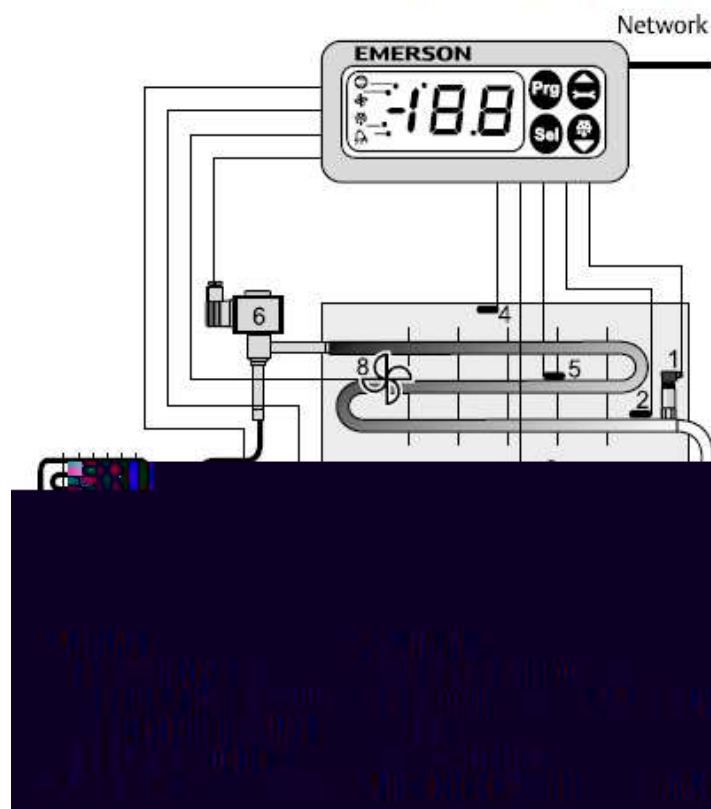


Solution N°1: Superheat Control with electronic expansion valve

Superheat Control with EC3-X33 (see page 36)
optional display unit ECD-002

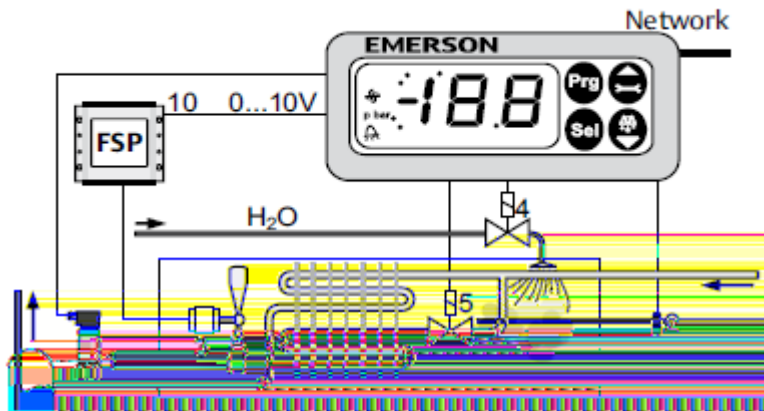


Solution N°2: Multifunction Controller for indoor temperature control
EC2-35x / -37x Case Controller (EX2, Press/Temp)





Solution N°3: EC2-74x Condenser Controller with fan speed control



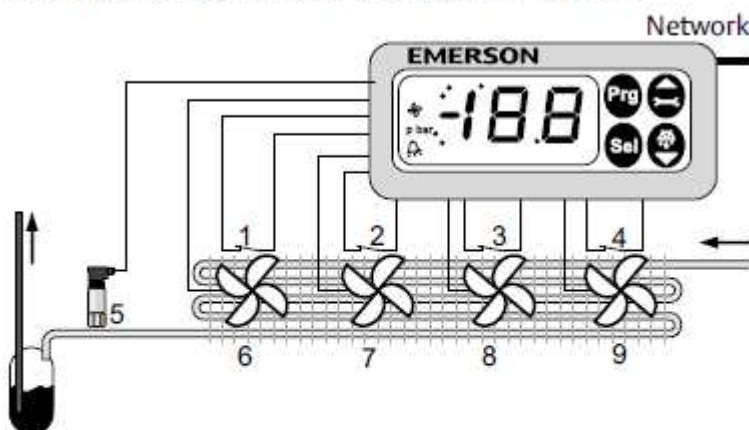
Inputs

- 1 - Condenser pressure
- 2 - Ambient temperature

Outputs

- 3 - Speed controlled fan
- 4 - Sprinkler
- 5 - Solenoid valve at 2 stage condenser coil
- 10 - Fan speed Power Module

Solution N°4: EC2-71x Condenser Controller for up to 4 fans



Inputs

- 1 - Safety switch fan 1
- 2 - Safety switch fan 2
- 3 - Safety switch fan 3
- 4 - Safety switch fan 4
- 5 - Condenser pressure

Outputs

- 6 - Fan 1
- 7 - Fan 2
- 8 - Fan 3
- 9 - Fan 4



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http://www.emersonclimate.com/europe/ProductDocuments/AlcoLiterature/EN_ALCO_Cat_2009.pdf

You're asked to give a 5 to 10 minutes presentation about one of these solutions.

Presentation tips: what you're expected to do,

- Avoid long winded explanations, stick to the point!
- Introduce yourself
- What's the topic of your presentation?
- Explain in a few words how a single stage refrigeration system works
- Describe your system
 - What is its main function within the process?
 - How does it work?
 - How does this solution aim to improve refrigeration performances? Highlight advantages.
 - Describe the different components, their features and functionalities.
 - What is the estimated cost of investment?