

Digital Upgrades for Supermarket Applications



Digital Upgrades improve system control and increase efficiencies



Reduce compressor cycling



Increases contactor life



Improves system load match



Improves suction set point range



Improves energy efficiency

Is a digital upgrade right for you?

As supermarkets begin to implement changes to their systems driven by new regulations and refrigerants, it is a good time to think about a digital upgrade.

Upgrade your system in two easy steps

1. Identify the correct model number by its specific letter designation.

DISCUS II

Fixed Capacity
4DH**B**R22ML-TSK

Digital Model

4DH**D**R22ML-TSK

DISCUS III

Fixed Capacity
4DH**N**R22ML-TSK

Digital Model

4DH**X**R22ML-TSK

SCROLL

Fixed Capacity
ZB**B**30KCE-TF5

Digital Model

ZB**D**30KCE-TF5

2. Select the appropriate digital controller for the appropriate application and model.



Master Controller



Open Loop
Digital Controller



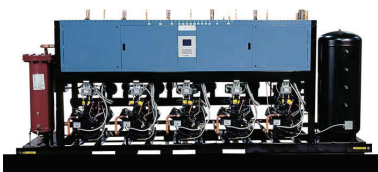
Stand Alone
Digital Controller



Discus or Scroll Digital



Discus or Scroll Digital



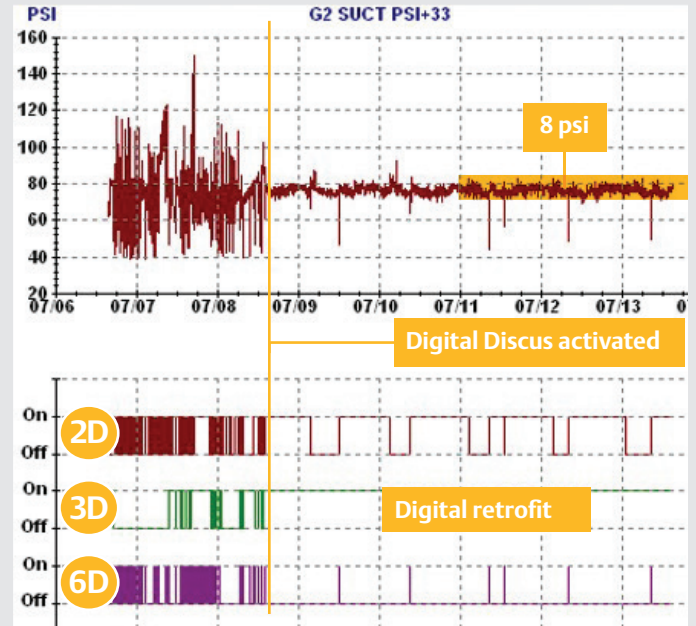
Parallel Rack System



Coolers/Freezer
Chillers/Dryers
AC Units

Copeland Discus Digital™ Upgrade Example

When a Copeland Discus Digital™ compressor was applied in a problem solving, supermarket application, the results were immediate and significant. They include: 89% reduction in suction pressure range, a reduction in cycling from 900 to 12 and tighter control swings (from 72 to 8 psi).



Significant and immediate
reduction in compressor cycling

From 900 starts per day
to 12 starts in 4 days

Upgrading your system is easy

Replace a fixed capacity compressor with a Digital Scroll or Discus compressor for precise capacity and control. Find the best match for your application with the Copeland Mobile app.



Scan the QR to
download app



You can also use:

[Online Product Information \(OPI\)](#)
[Product Selection software](#)