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PrincetonCryo.com
Cryogenic Delivery and Storage Systems

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MVE Chart Tech Tips

PRODUCT INFORMATION

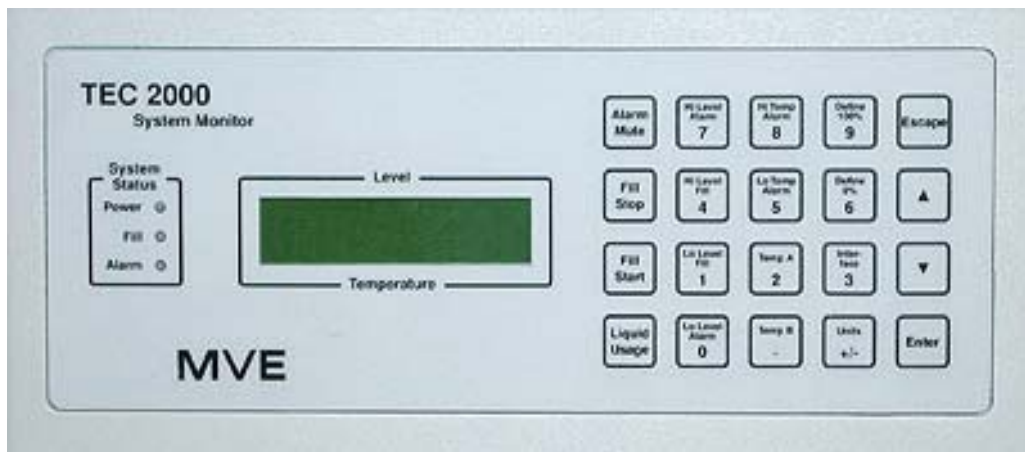
TEC3000 Upgrade Kits

Most freezers equipped with the TEC2000 can be upgraded to the TEC3000. Although the majority of older freezers can be upgraded, there may be older models that cannot be retrofitted. The proper upgrade kit can be obtained by providing the freezer's serial number. Contact technical support for additional information.

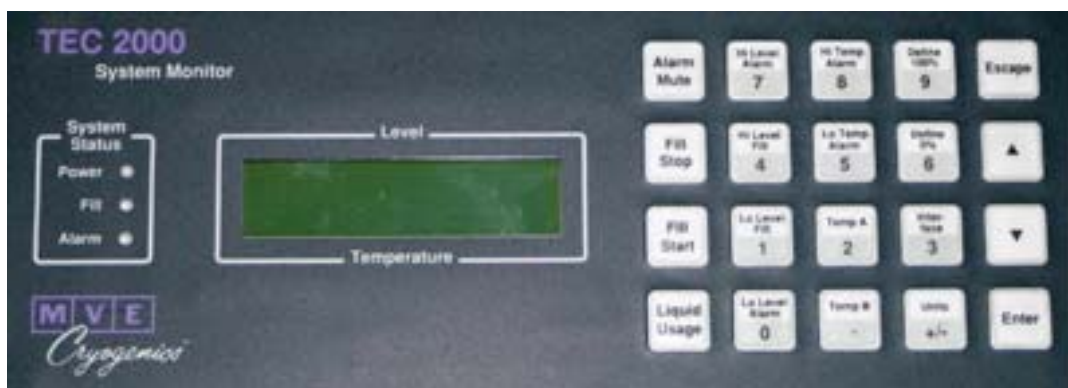


TEC3000 Faceplate

The TEC2000 Lakeshore controller powered with A/C voltage was manufactured with blue panels. The TEC2000 Micro-dynamics that is powered with A/C to D/C power supply had the white and green panels.

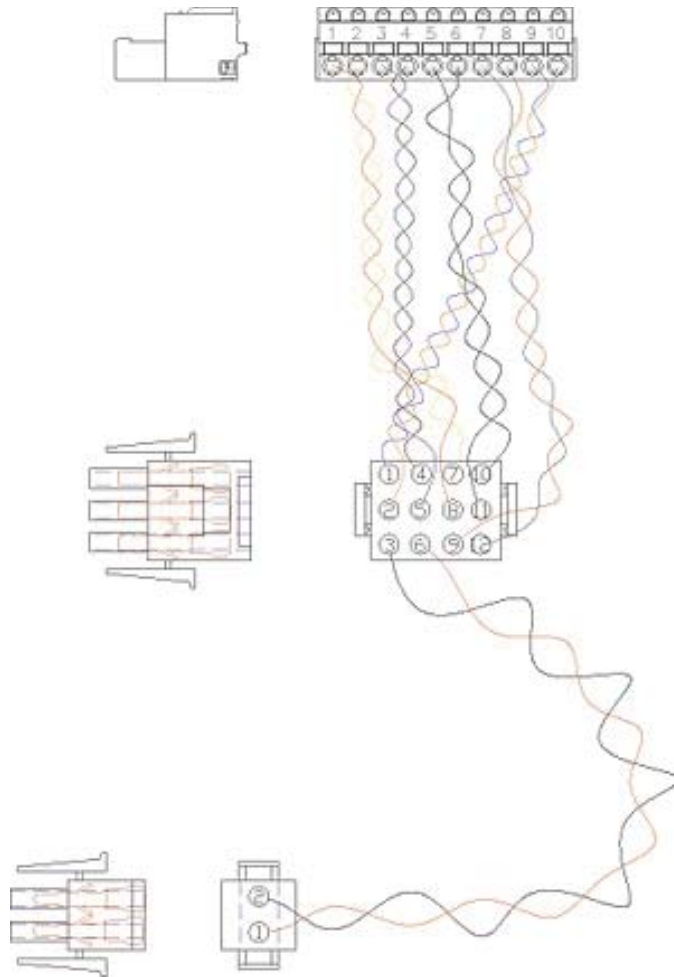


TEC2000 Faceplate



TEC2000 Faceplate

Depending on which upgrade kit is ordered, upgrade kits may include a fill solenoid valve, a purge valve, and temperature probes. All freezer series are provided a plug-n-play wire harness assembly.



TEC2000 to TEC3000 upgrade wiring

HELPFUL HINTS / FAQs

MVE TEC2000 to TEC3000 Upgrade

Q: How can one determine if an upgrade is possible?

A: Provide the freezer serial number

Q: After the upgrade was performed, the TEC3000 LCD display flickers, but only while the freezer is filling. Then it stops flickering after the freezer completes the fill. What is going on?

A: When upgrading, be sure to install the provided power supply in the upgrade kit. This is critical for proper controller operations.

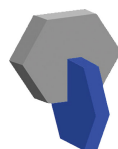
ACCESSORIES

Chart sells transfer hoses available in 4' and 6' lengths.
PN 9713159 4ft (1.2m) PN 9713109 6ft (1.8m)

Chart sells a brass union fitting; P/N 11108622 can join two transfer hoses. Although not recommended and an increase in NER is eminent this method can be used temporarily while waiting for professional vacuum jacketed piping installation (VJ piping).



Brass Fittings on 4' Transfer Hose



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