

IMPORTANT INFORMATION

DISCLAIMER

Thetford recommends and strongly advises users to engage the services of a qualified and licensed professional for the installation, maintenance, repair, or any other servicing needs associated with the product. The user understands and assumes full responsibility for hiring a professional with the requisite skills, knowledge, and qualifications to service your product. This includes, but is not limited to, tasks such as installation, repairs, modifications, or any other service required. Thetford disclaims any and all liability for any damages, losses, injuries, or other adverse consequences that may result from the user's failure to hire a qualified professional for the servicing of your product. The user acknowledges the importance of ensuring that the hired professional adheres to industry standards, guidelines, and local regulations applicable to the servicing of your product. Thetford is not responsible for the actions, omissions, or negligence of the hired professional. The user agrees to indemnify and hold harmless Thetford from any claims, liabilities, damages, costs, or expenses, including legal fees, arising from the user's decision to hire, or not hire, a professional for the servicing of the product. By using your product, the user affirms that they have read, understood, and voluntarily agreed to this disclaimer.



Troubleshooting Service mode LED+ **Readout Code** Error Code - LED Display No Error Code 1 2 1. To enter service mode, push 3 buttons simultaneously until 3 binary code is visible 4 2. Then read out in the table which error you see 5 6 7 ▶ | & ₽ Ё % | ■■■■■ | 📈 🗔 | < THETF®RD 8 9 10 **!!!** Note : When supply voltage 11

III Note : When supply voltage 12 VDC (low current voltage) is not available, no error code will be given. When 12 VDC is available the blue power LED will be on. If battery pack is empty you can see a red light !!!

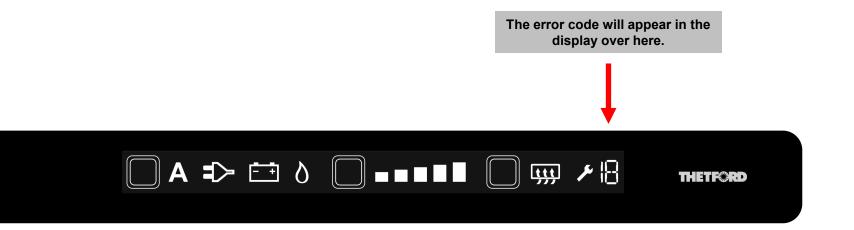
Version: 05-2019

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Service mode LCD

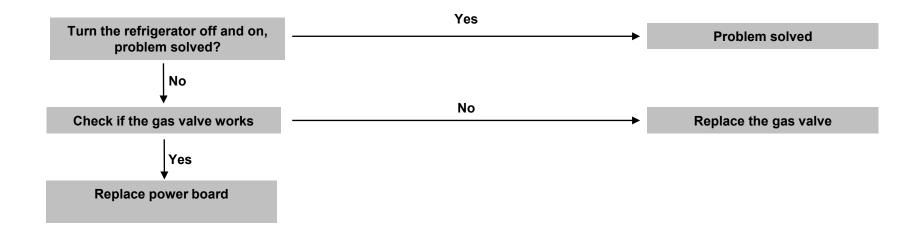


!!! Note : When supply voltage 12 VDC (low current voltage) is not available, no error code will be given. When 12VDC is available the blue power light will be on !!!





Troubleshooting Error code 1: Senses flame when gas should be off





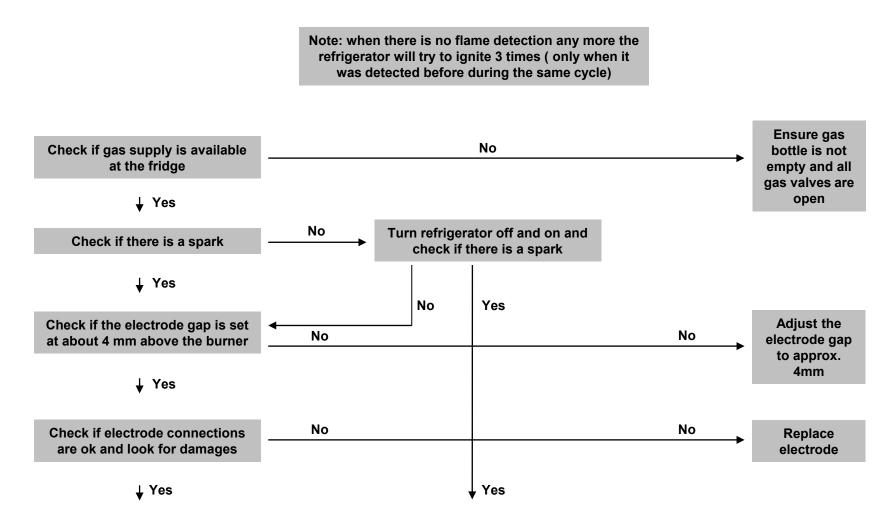
Troubleshooting Error code 2: Burner control module returns incorrect feedback





Troubleshooting Error code 3: Gas lockout because flame fails to ignite within 30 sec.

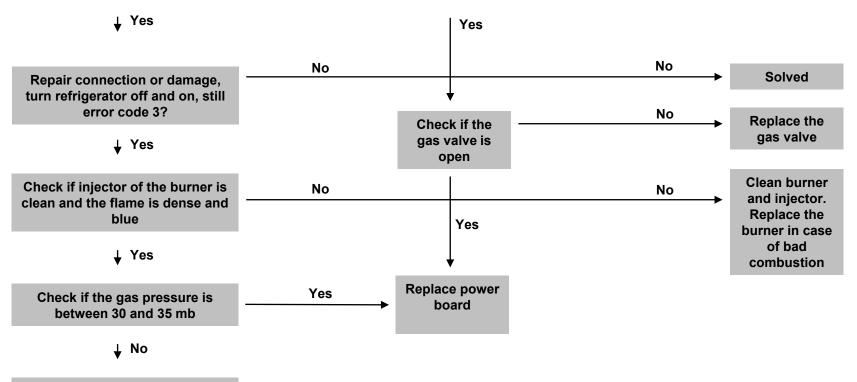
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Troubleshooting



Error code 3: Gas lockout because flame fails to ignite within 30 sec.



Check the gas installation





Troubleshooting Error code 4: DC heater is off when it should be on

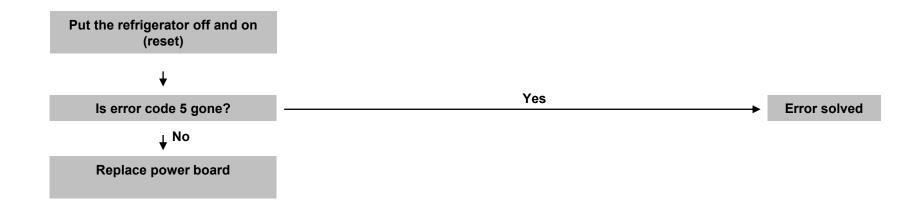
			ing the impedar heater !!!			
Check if all the connections are OK	No					Restore the connections
↓ Yes Check if the 25A fuse is OK	No					Change fuse
✓ Yes		-	Heater resistand			
Check if the heater is using current +/- 17 A large fridges and +/- 12 A small fridges	No	<i>Type</i> N4080 N4090	<i>Μin</i> Ω 0.98 0.98	<i>Μax</i> Ω 1.08 1.08	No	Replace the DC heater
↓ Yes Check the resistance of the	No	N4097 N4100	0.98 0.98	1.08 1.08	No	Replace the
heater, is this between min and max?		_ N4104 N4108 N4112	0.98 0.98 0.98	1.08 1.08 1.08	•	DC heater
↓ Yes		N4141	0.67	0.74		
Replace power board		N4142 N4145 N4150 N4170 N4175	0.67 0.67 0.67 0.67 0.67	0.74 0.74 0.74 0.74 0.74		

!!! Note: put fridge off when



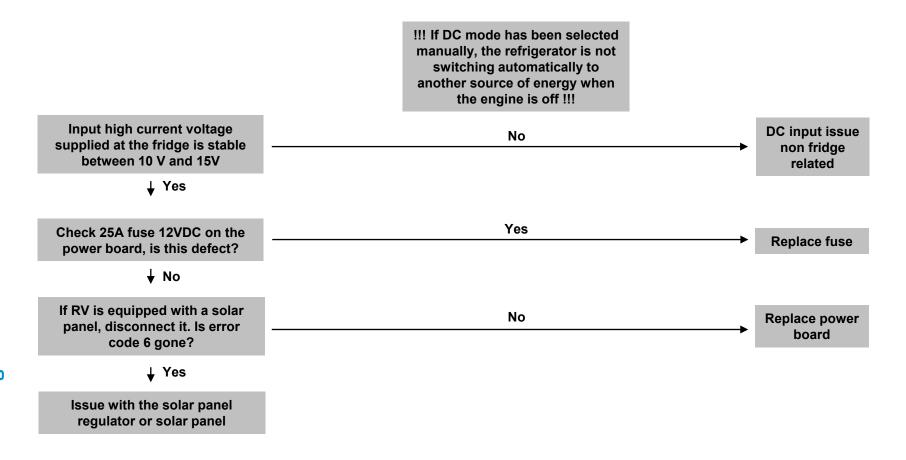
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Troubleshooting Error code 5: DC heater is ON when it should be OFF.





Troubleshooting Error code 6: DC high voltage is out of range (lower than 10 V or higher than 15 V)

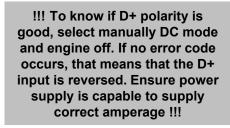




Replace power board

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Troubleshootinerror code 7: No "engine run" signal is present and control is in Manual DC mode.



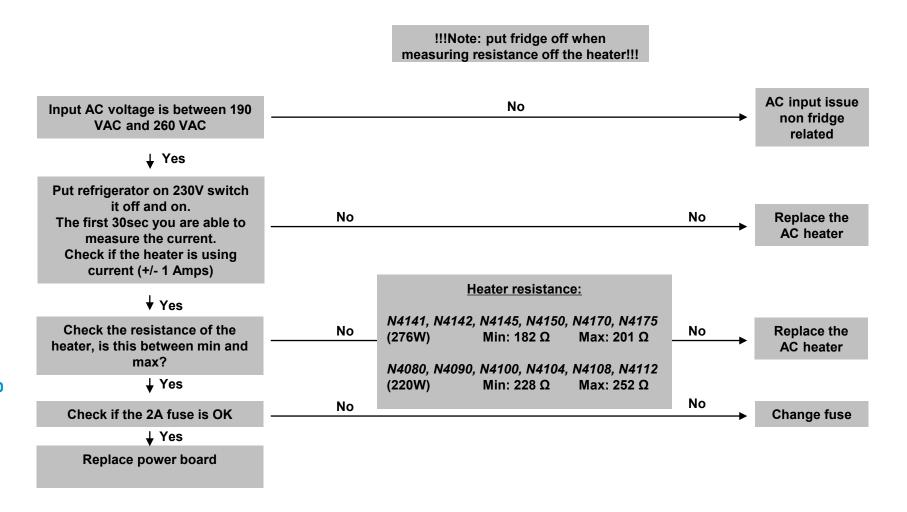


Troubleshooting



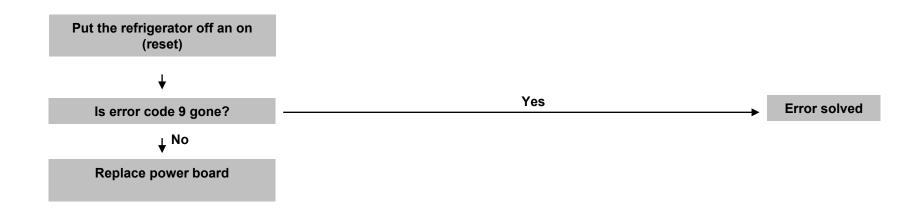


TroubleshootingError code 8: AC heater current is measured to be 75% below nominal current.



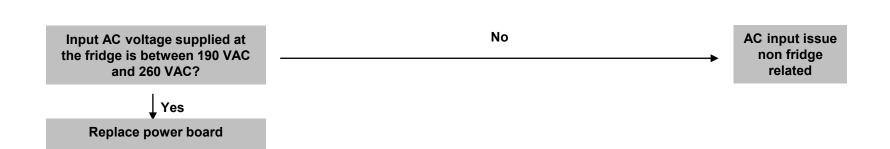


Error code 9: AC heater is ON when it should be OFF





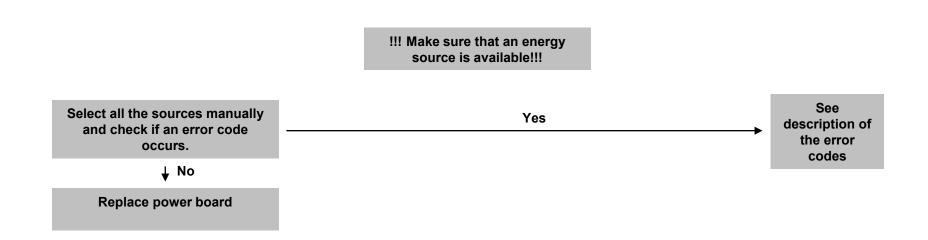
Error code 10: AC mains supply is out of range





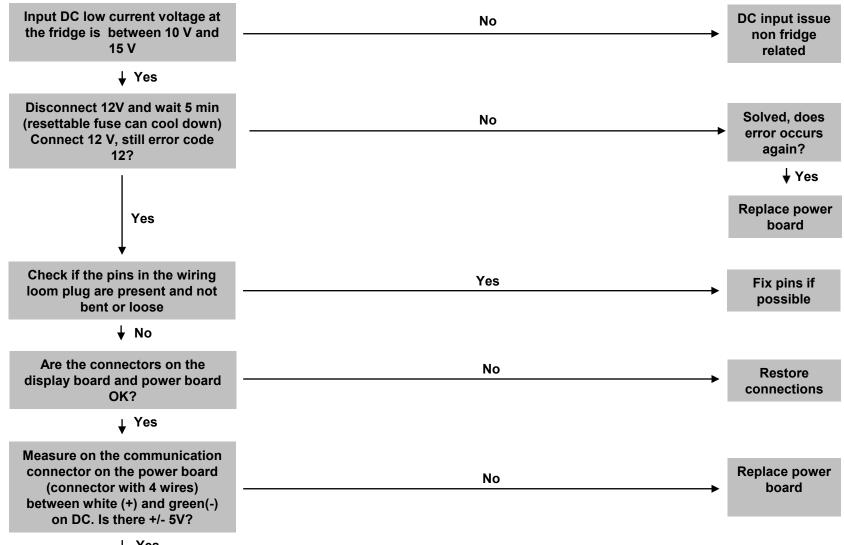
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Troubleshooting Error code 11: No energy source is available and control is in AUTO mode





Troubleshooties ror code 12: Display board and power board lose communication with each other.







Troubleshootin Error code 12: Display board and power board lose communication with each other

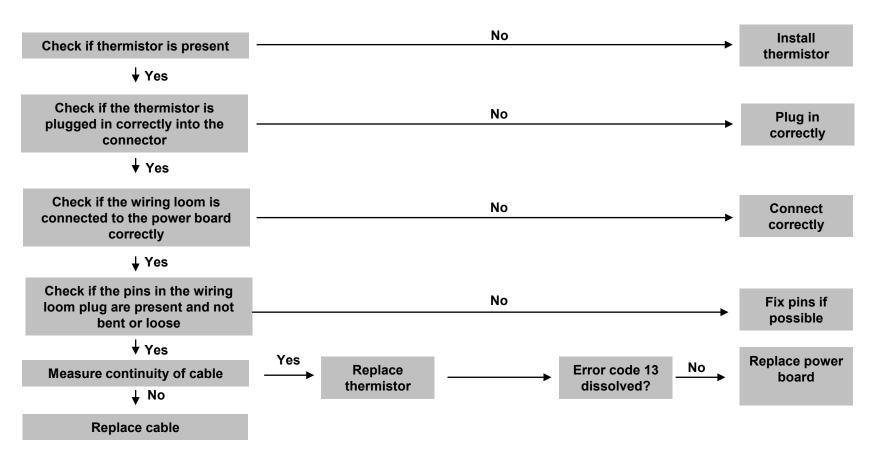
↓ Yes **Replace cable** No Measure on the display board between between white and green. Is power- and there +/- 5V? display board **↓** Yes Measure on the display board between the yellow (+)and No **Replace** power green(-) wire on AC. Is there a board pulse that is going on and off between 0.5 and 0.7 VAC?

¥ Yes

Contact Thetford

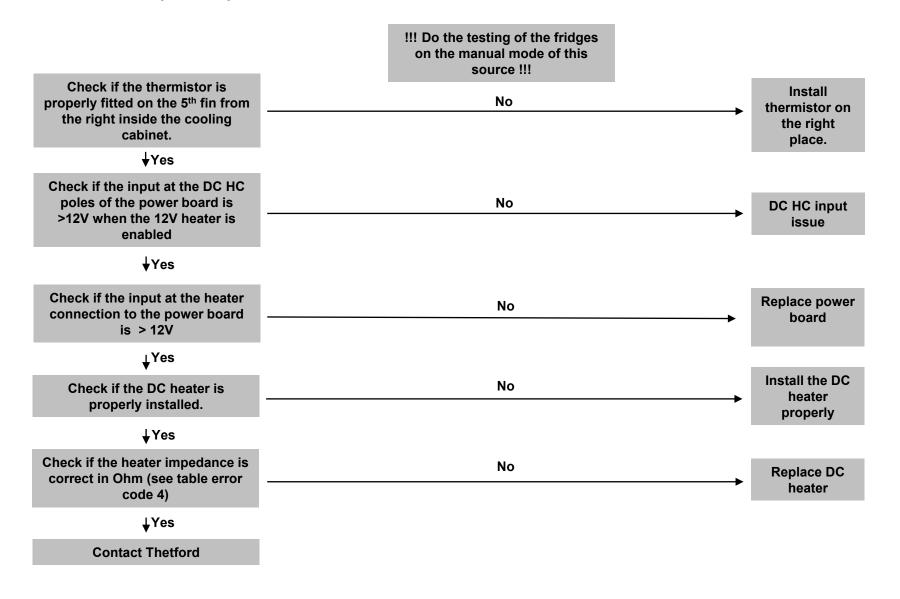


Error code 13: Thermistor fails; control automatically switches to Backup Operation System



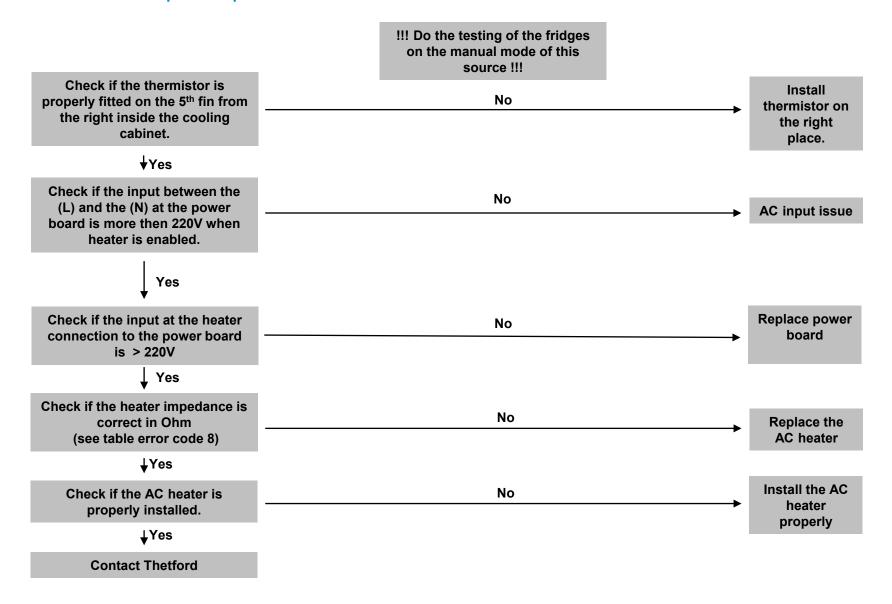


Troubleshooting Inadequate performance on 12 VDC source and no error code





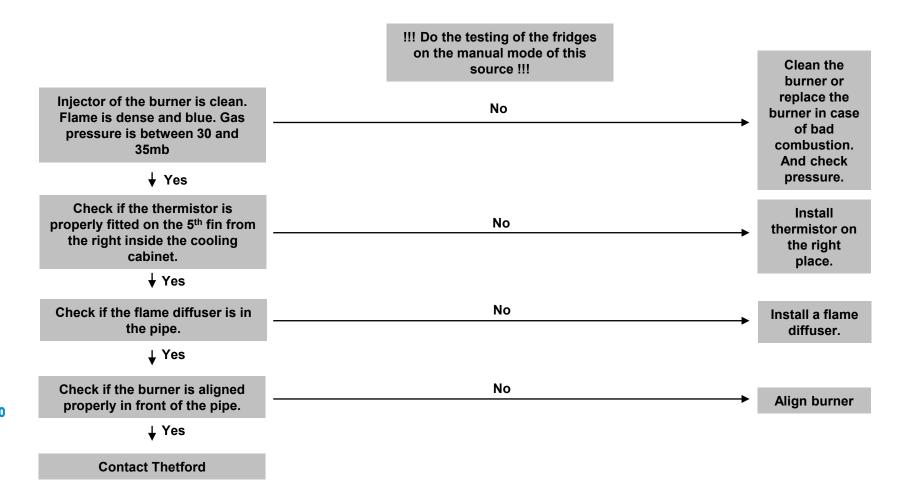
Troublesh made quate performance on 230 V source and no error code







Troubleshooting equate performance on gas source and no error code

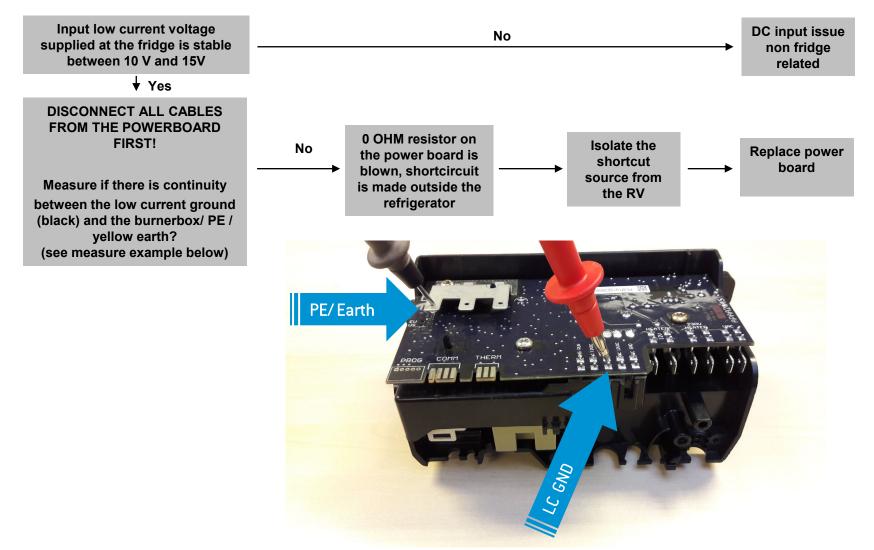


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No error code: Troubleshooting Display is black and won't turn on when holding the power button

for minimal 5 seconds

Troubleshooting





Appendix: Wiring diagram

