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## Repair Instructions

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Install the Dixell XR70 upgrade kit in cabinet with JL/ SF-519



To suit: TEPR/TELR 145/200 with JL/SF-519 controller

Approvals		
Written By:	Reviewed By:	Approved By:
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## Safety Reminder

All works contained in this repair guide should be undertaken by a qualified electrician

These instructions do not purport to address all potential safety issues, if any, associated with the product's use. It is the responsibility of the user of these instructions to establish appropriate safety and health practices and determine the applicability of regulatory limitations before use.

Before attempting any of the following, perform the actions listed below:

- Turn OFF power to the machine.
- Unplug the machine.

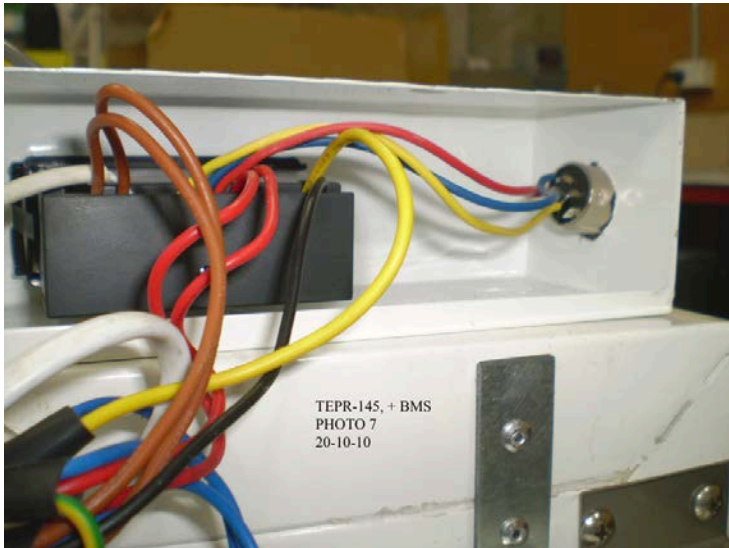
## Summary

These instructions provide information replacing the JL/ SF-519 controller in refrigerator with a Dixell XR70 upgrade kit.

Tools Required	
Phillips Head Screwdriver	

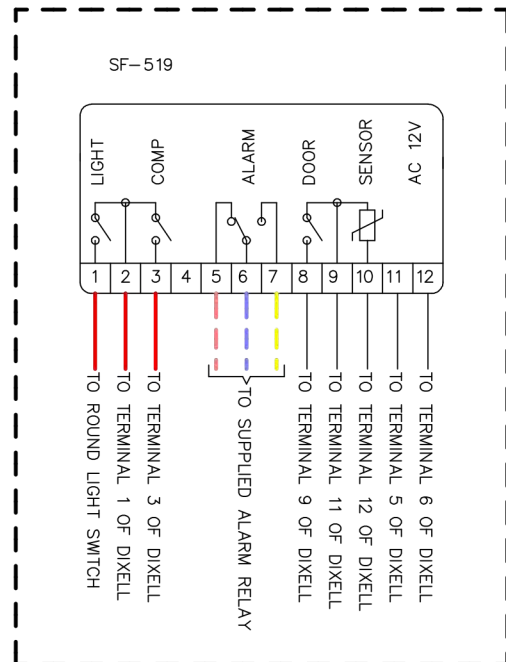
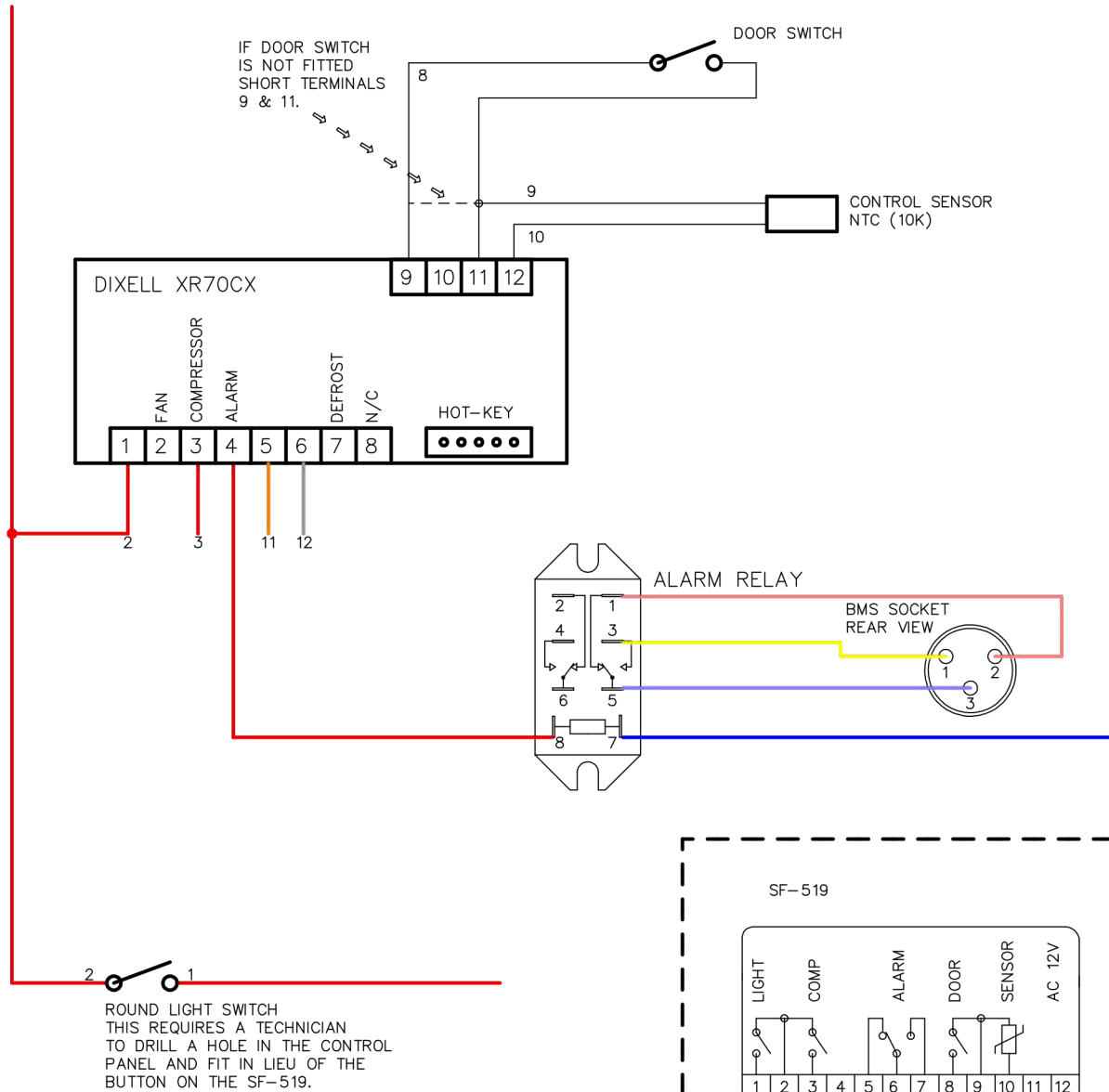
Kit Contents		
Item	Description	Quantity
41732	Dixell Controller upgrade kit	1

Thermoline supplies an upgrade kit to replace the previously used JL/SF-519 controller in the 145 and 200 litre laboratory and pharmacy refrigerators. Earlier models may not have the BMS connection but if it is present it is connected directly to the controller. When using a Dixell XR 70 the supplied relay is used to connect the BMS output if it is present. Also included in the upgrade kit is a light switch which needs to be mounted in the front panel of the refrigerator (This light was controlled directly for the controller with the JL/SF-519).



Access to the controller is possible by unclipping the bottom of the front panel of the 145 cabinet or undoing the three screws on the 200 cabinet. The electrical schematic on the following page gives details on the change over.

NEUTRAL WIRE WILL BE A LOOP WIRE IN BEHIND THE CONTROL PANEL. IT WILL REQUIRE A TECHNICIAN TO CUT AND RECONNECT TO THE ALARM RELAY. ALL WIRING WILL NEED TO BE MADE SAFE.



PRODUCT: ECONOMY PHARMACY REFRIGERATORS

MODELS: TEPR 145 & TEPR-200

DESCRIPTION: WIRING DIAGRAM TO REPLACE AN SF-519 WITH A DIXELL XR-70-CX-12V

ISSUE DATE: 27-04-20 DWG.No: TEPR 145 & 200 WIRING

## Support and Contact

Repair and Support is available over the telephone Monday through Thursday from 8:30am to 4pm and Friday 8:30am to 2pm. Please contact [service@thermoline.com.au](mailto:service@thermoline.com.au) for email technical support. You can also visit our website at [www.thermoline.com.au](http://www.thermoline.com.au) for access to additional useful troubleshooting guides, operating manuals, and technical information.

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