



Product Manual

BRW3 Series

Remote Beer Coolers

Part Number 3B5722 Issue C (08/03/17)

Introduction and Specification

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Introduction

Safety

The unit should be isolated from the electricity supply before removal of the covers.

The BRW3 range of remote coolers are designed in a modular fashion to cover a large range of options which can be specified at time of order. The individual modules are detailed towards the end of this guide, but in summary they comprise the following:

- Base unit: either integral or split.
- Control module: a range of control modules with both electronic and mechanical thermostat options covering ice bank and glycol applications.
- Lid assembly: single and two-piece lids with different pump options and various coil lengths and configurations.

The wiring schematics included in the following pages reflect this modularity:

Specification

Dimensions	570mm(W) 680mm(D) 940mm(H)	Compressor	Danfoss SC21F
Dry Weight	BRW350 65kg BRW360 70kg	This product contains fluorinated greenhouse gas with a GWP of 1300 in an hermetically sealed system	
Wet Weight	BRW350 125kg BRW360 135kg		
Supply	230Vac/50Hz	Refrigerant	R134a, 350g
Rated Input	800W	Climatic Class	N
Rated Current	5.5A	Heat Dump Noise Emissions (@1m)	60dB
Fuse Rating	13A		
IP Rating	N/A		

Model Numbering Convention

Unit number (ZZ)(Y)(X)((W)(V)) - - -

Key:

(ZZ) Base Type

(Y) Module Type

(X) Lid Type

(W) Coil Type or Special Version Code

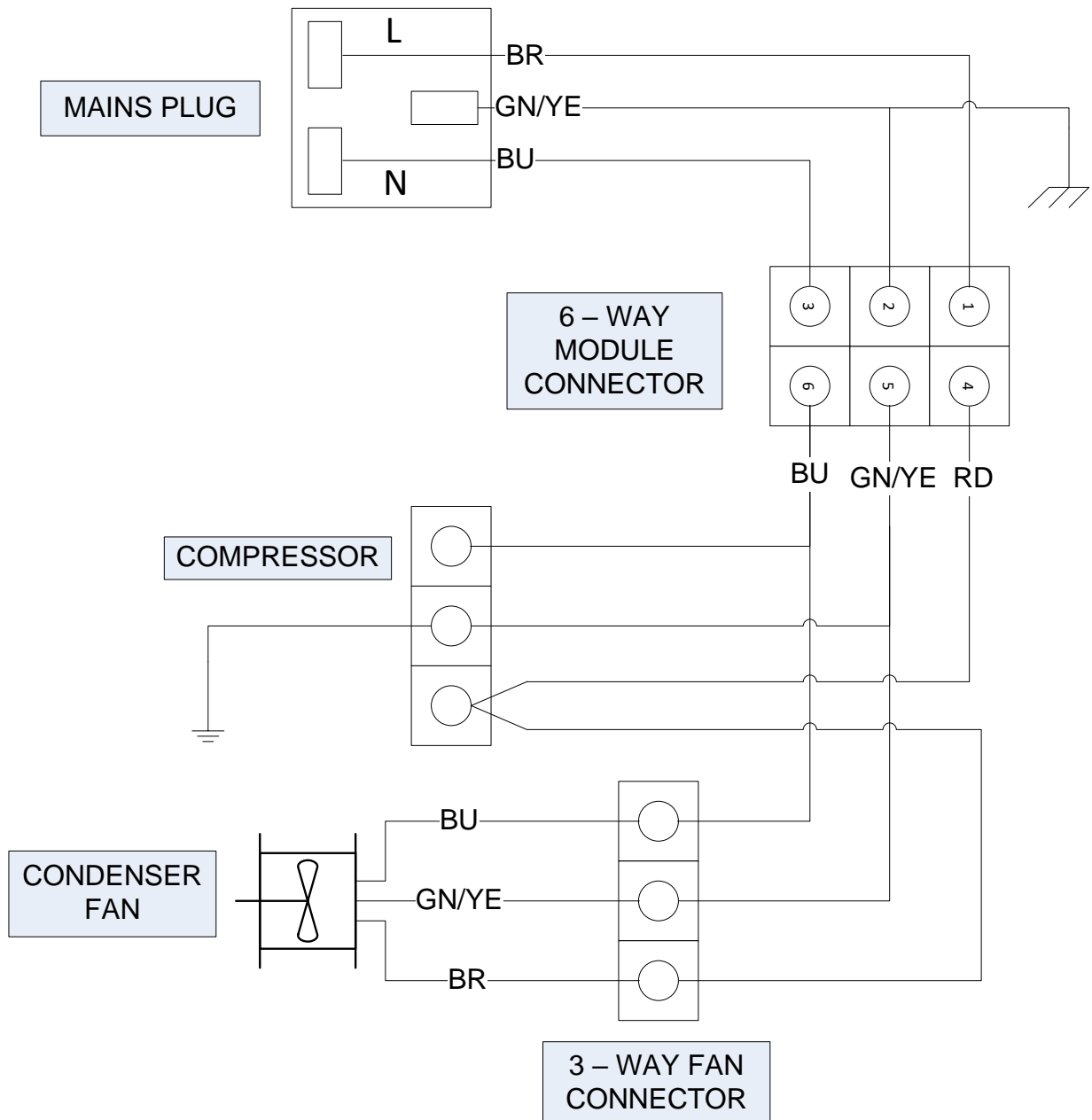
(V) Number of coils

- - - Coil type and number of coils repeated as necessary

Reference	Part #	Description
ZZ	BASES	
35	BRW350	Integral
36	BRW360	Split
Y	MODULES	Thermostats
B	1A5829	1 mechanical ice
E	1A5830	1 digital ice + 1 mechanical ice
G	1A5831	1 mechanical ice + 1 mechanical glycol
I	1A5832	2 mechanical ice
M	1A5833	1 digital glycol + 1 mechanical glycol
T	1A5834	2 mechanical glycol
X	1A5835	DFx glycol – with cleaning switch
Z	1A5836	DFx Ice – no cleaning switch
X	LIDS	
1	1A5123	1 piece lid, SPC43 pump
2	1A5125	1 piece lid, March May pump
3	1A5124	1 piece lid, SPC44 pump
4	1A5731	1 piece lid, SPC18 pump
5	1A5308	2 piece lid, SPC43 pump
6	1A5315	2 piece lid, March May pump
7	1A5309	2 piece lid, SPC44 pump
8	1A5730	2 piece lid, SPC18 pump
W	COILS	
A	1A5126	1.5 m
B	1A5127	3.8m
C	1A5128	5m
D	1A5129	8m
E	1A5130	10m
G-Z	N/A	Special version codes

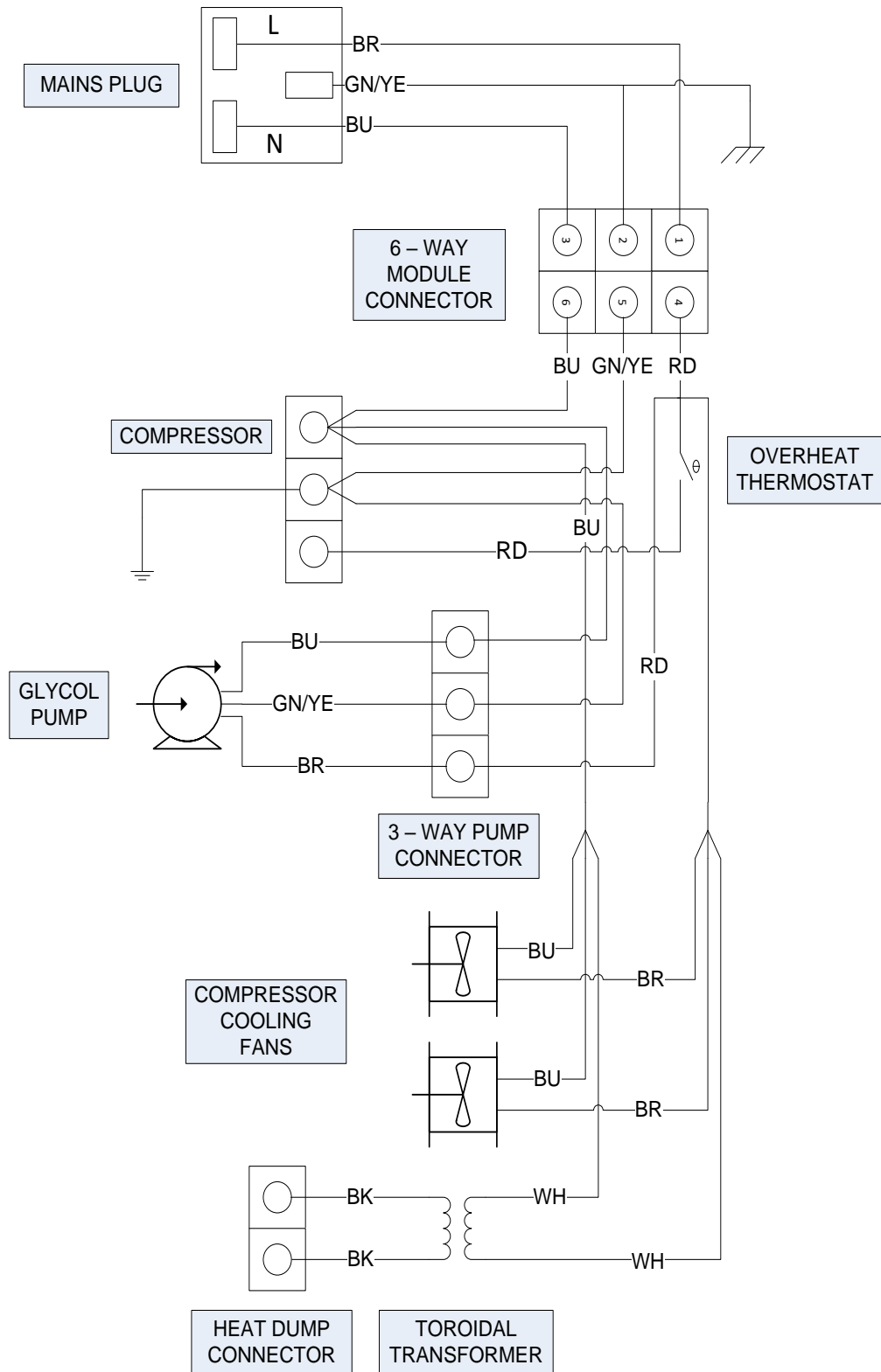
Schematics

BRW350 Base (Integral) Wiring Schematic



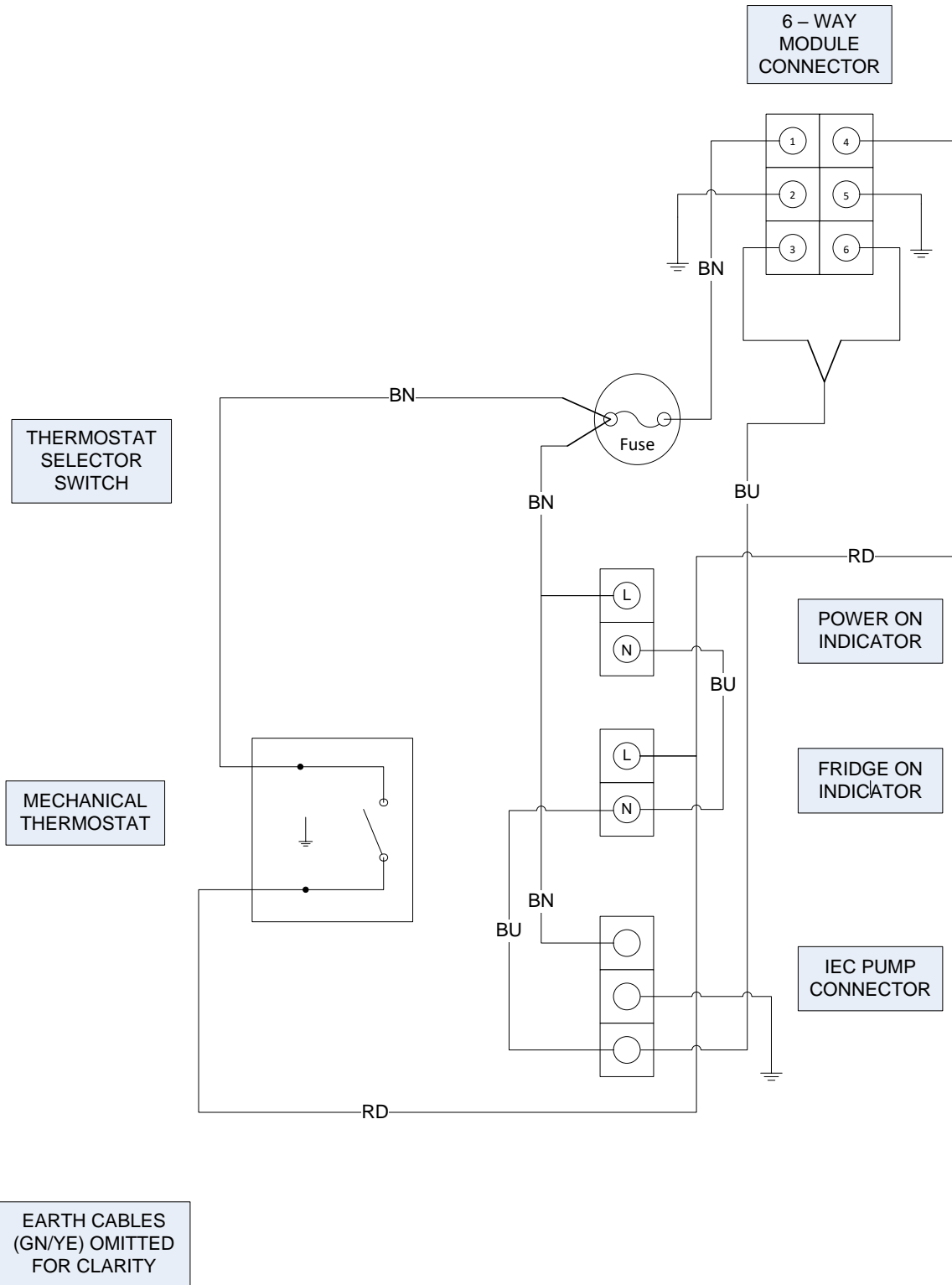
Schematics

BRW360 Base (Split) Wiring Schematic



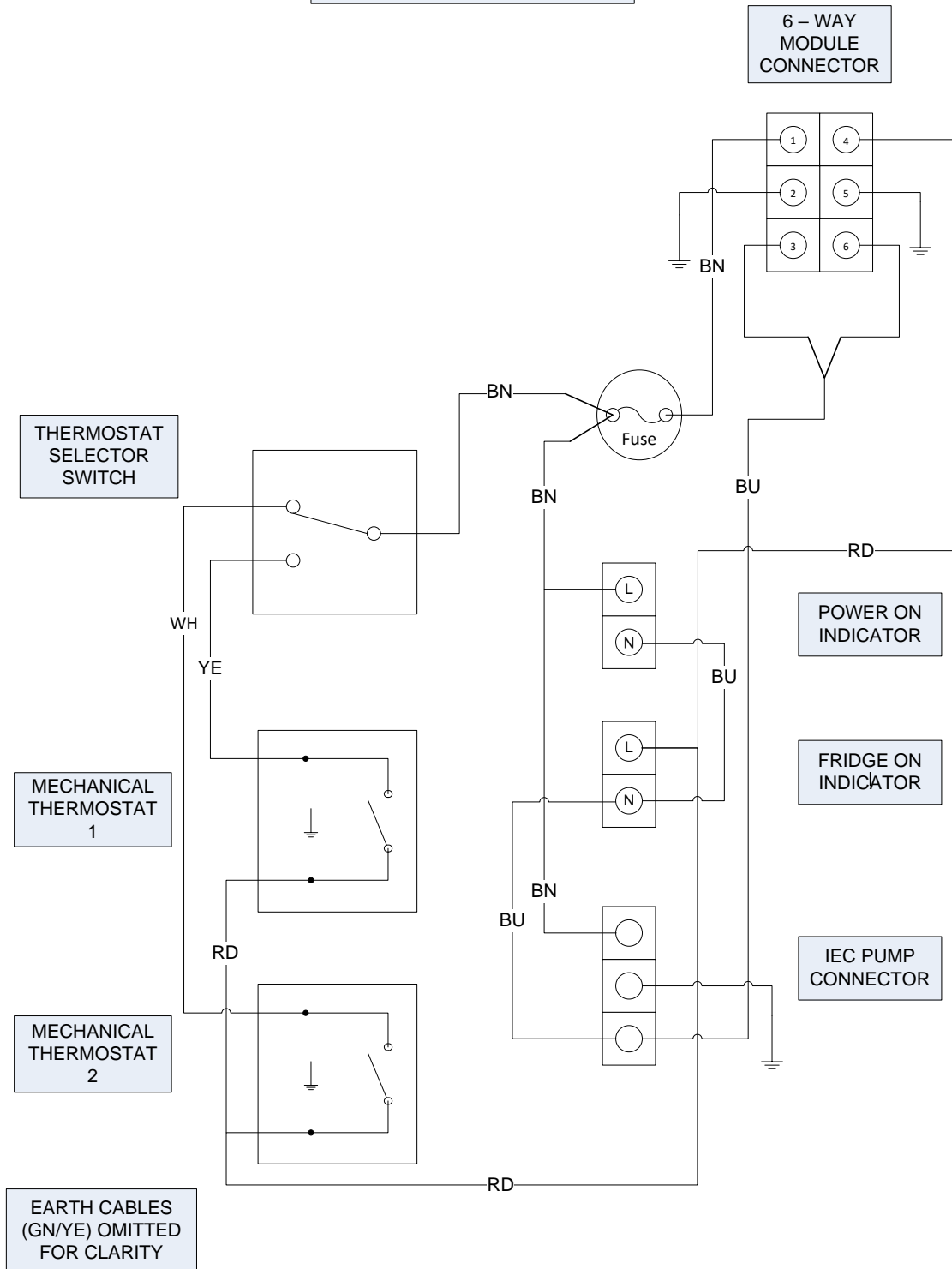
Schematics

BRW3 – Module 'B' Wiring Schematic



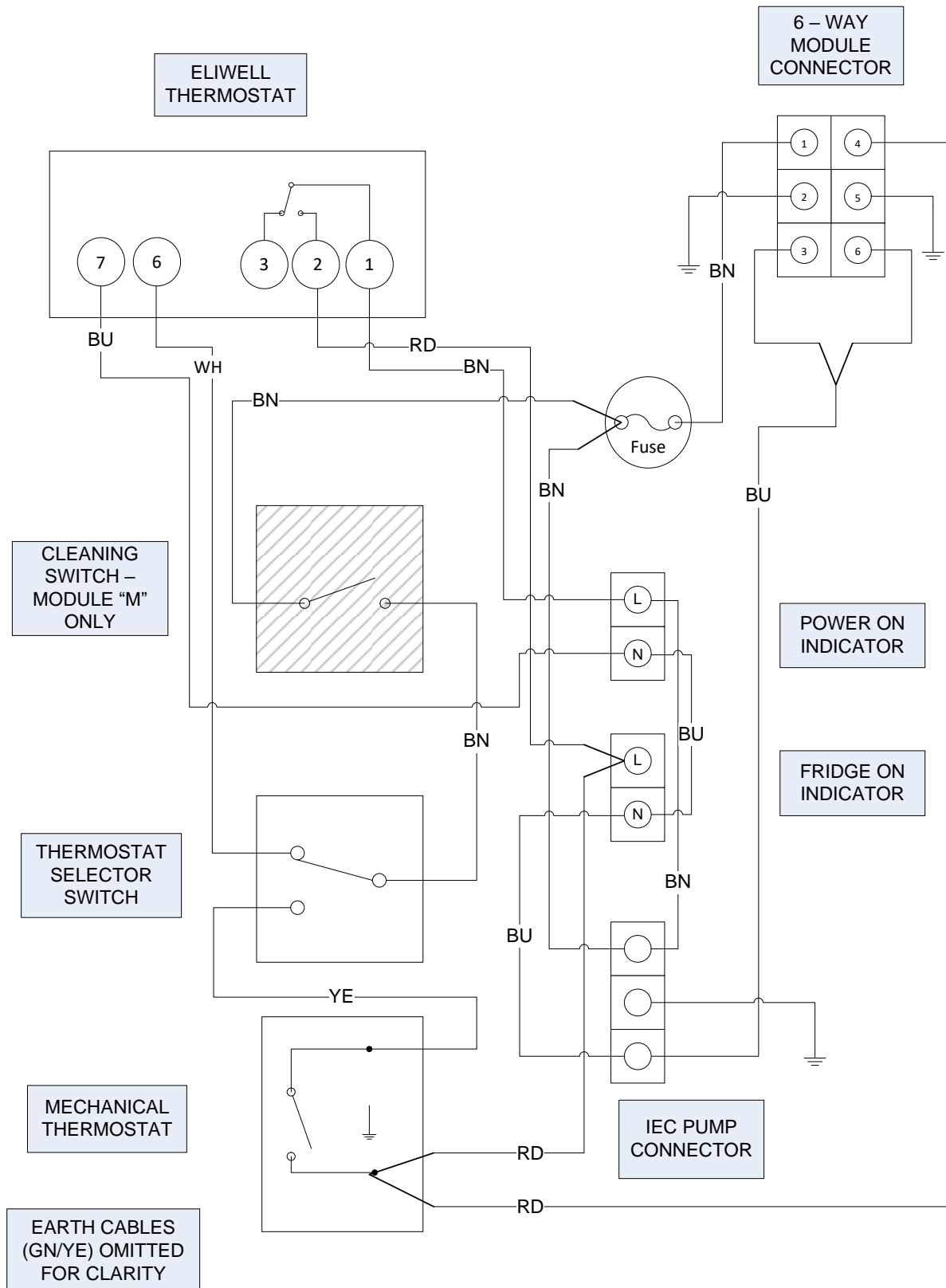
Schematics

BRW3 – Module ‘G’, ‘I’ & ‘T’ Wiring Schematic



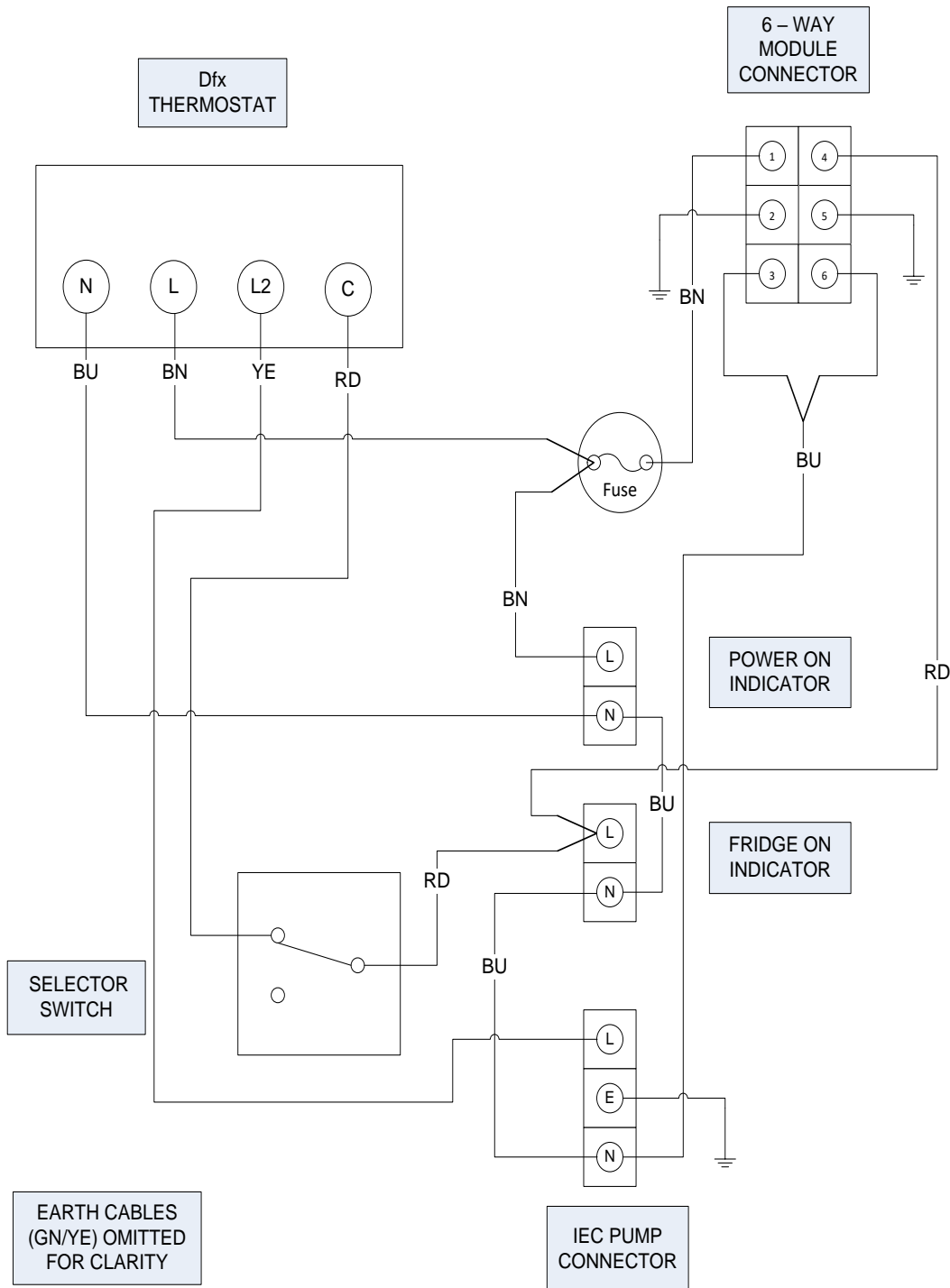
Schematics

BRW3 – Module ‘E’ & ‘M’ Wiring Schematic



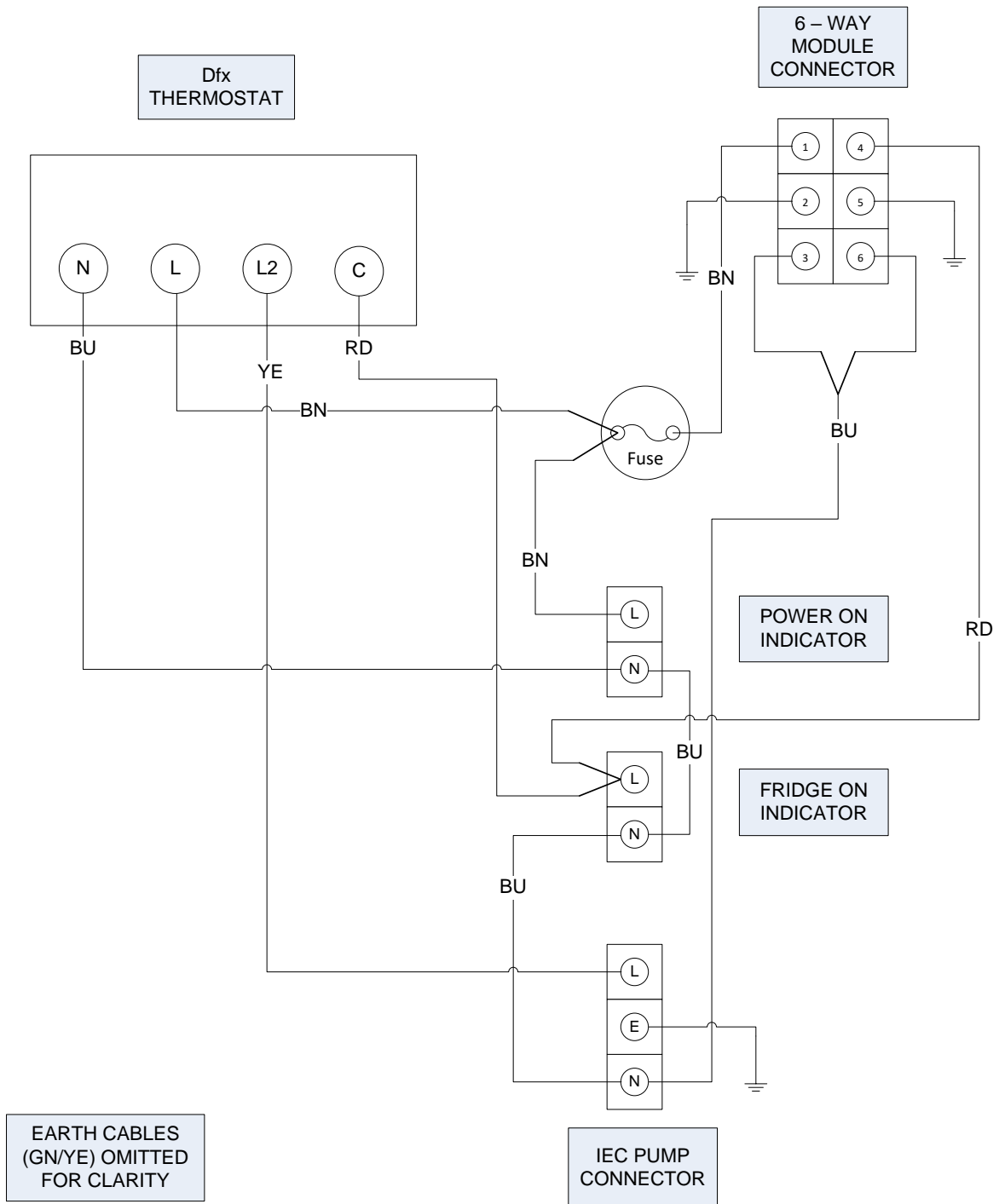
Schematics

BRW3 – Module ‘X’ Wiring Schematic

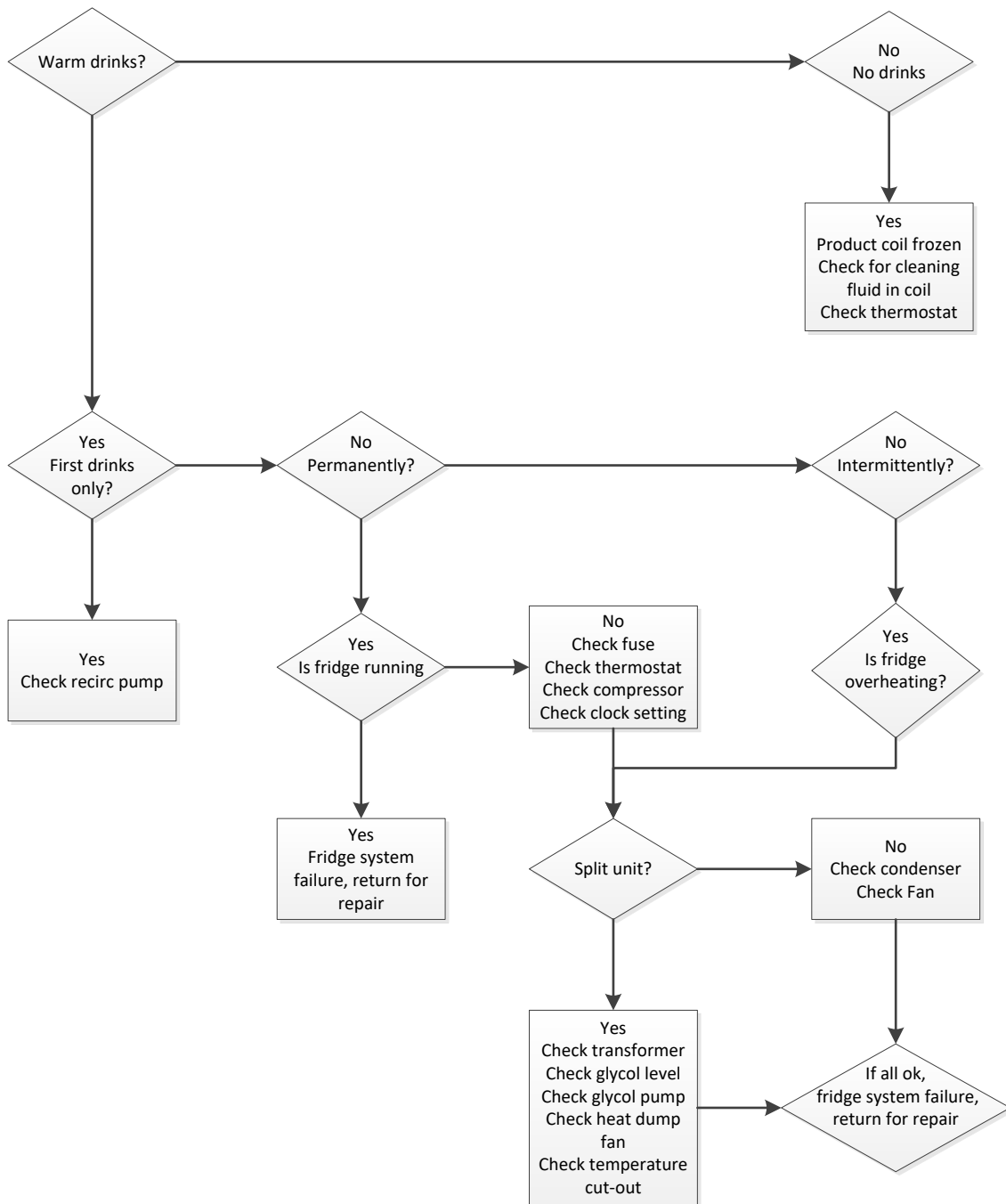


Schematics

BRW3 – Module ‘Z’ Wiring Schematic

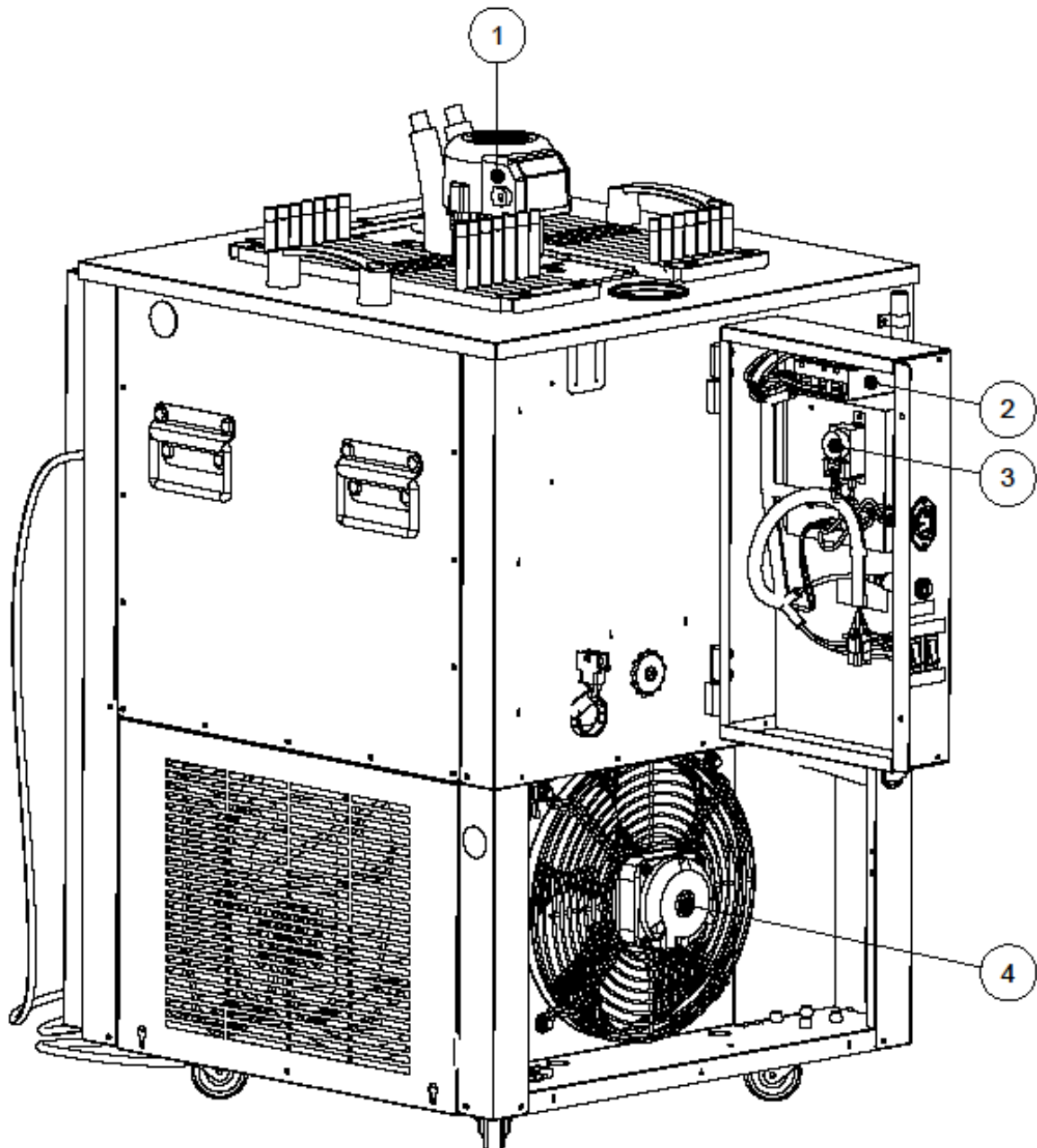


Fault Finding



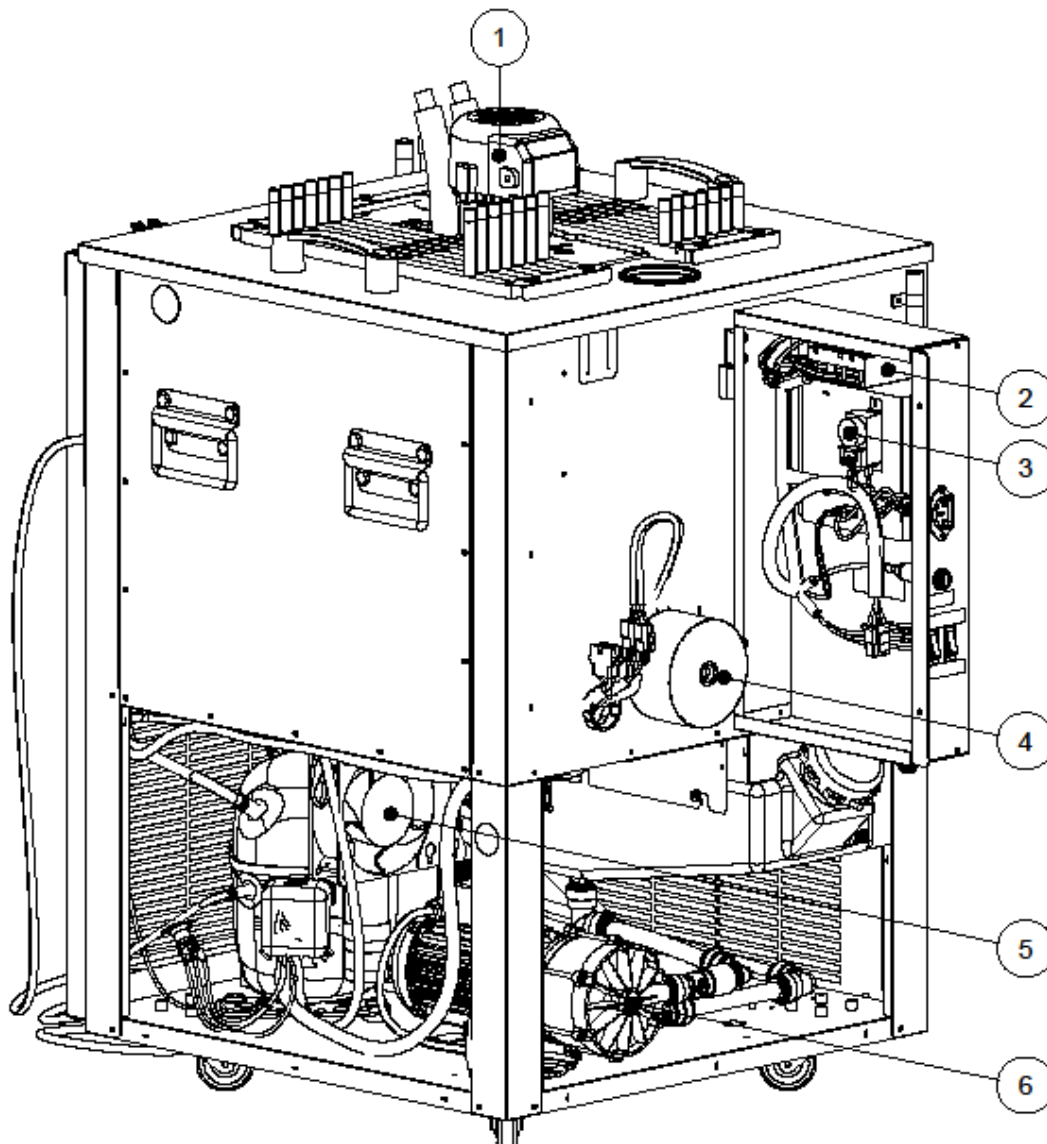
Replacement Parts – BRW350 Base

Item No	Description	Part No
1	Totton pump SPC43 Totton pump SPC44	3B3719 3B4384
2	Eliwell Control Eliwell 1.5m probe DFx Control DFx Probe	3B3472 3B4341 3B5544 3B5545
3	Mechanical thermostat - ice Mechanical thermostat - glycol	1A6262 1A5766
4	Fan motor	CPART0044S



Replacement Parts – BRW360 Base

Item No	Description	Part No
1	Totton pump SPC43 Totton pump SPC44	3B3719 3B4384
2	Eliwell control Eliwell 1.5m probe DFx control DFx probe	3B3472 3B4341 3B5544 3B5545
3	Mechanical thermostat - ice Mechanical thermostat - glycol	1A6262 1A5766
4	Toroidal transformer	1A5662
5	Axial fan	1B5514
6	Glycol pump – Totton GP20/18	3B4580
N/A	Heat dump fan motor complete – HDU300 Heat dump fan motor complete – HDU301	1A5303 1A5742
N/A	Heat dump fan motor only	3B4830
N/A	Heat dump cartridge assembly – HDU300 Heat dump cartridge assembly – HDU301	1A5310 1A5630



Removal, Transportation and Disposal

Important: Before removal from the installation, ensure all electrical, product and gas connections are disconnected.

Disposal of Scrap Units

It is illegal to simply scrap a refrigeration unit. Before a unit can be scrapped it must first have the gas removed by a specialist using specialist equipment. Please contact Booth Dispensers Ltd., who will be happy to provide a quotation for disposal.

Transportation

Important: This unit must be transported in an upright position

As with all refrigeration systems, irreparable damage can be caused by laying the unit on its side or even transporting upside down. Where the unit is transported by a carrier, the carton should always be marked in a conspicuous manner, the correct upright position in which it must be handled.

If a unit has been transported incorrectly it should be placed in the correct upright position and left for 24 hours before attempting to run the system.

Failure to observe the above precautions could seriously damage the system, and would void any warranty.



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