

Jewett Service Kits 312189G11 to G18

Goldline CTL036 & CTL40 style controls
to
Dixell XR60C



(General setup for G15 through G18 shown)

Jewett Service Kits

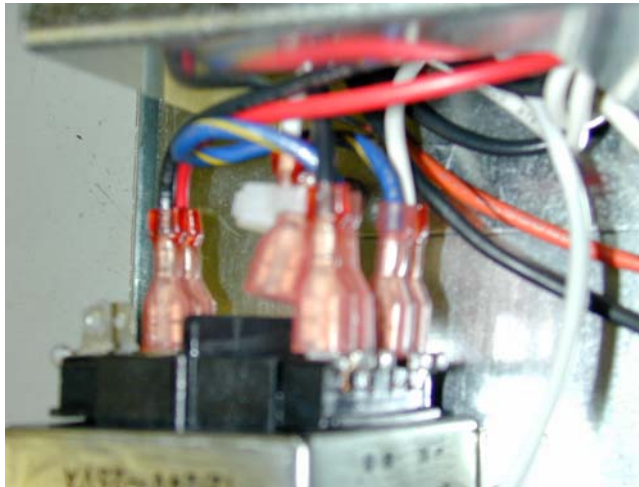
312189G11 through G14 are drop in replacements for the CTL036 and CTL040 “boxes” anywhere the self contained Goldline controls are present. Typically this represents the under counter units, but may include some of the older full size units. The current Goldline connections will go directly to the Dixell XR60C and the compressor relay.

312189G15 through G18 are for full size units where the bare Goldline board has been installed in a larger sheet metal box with a terminal block. In this case, we will use the patch harness to connect to the wires from the Goldline board.

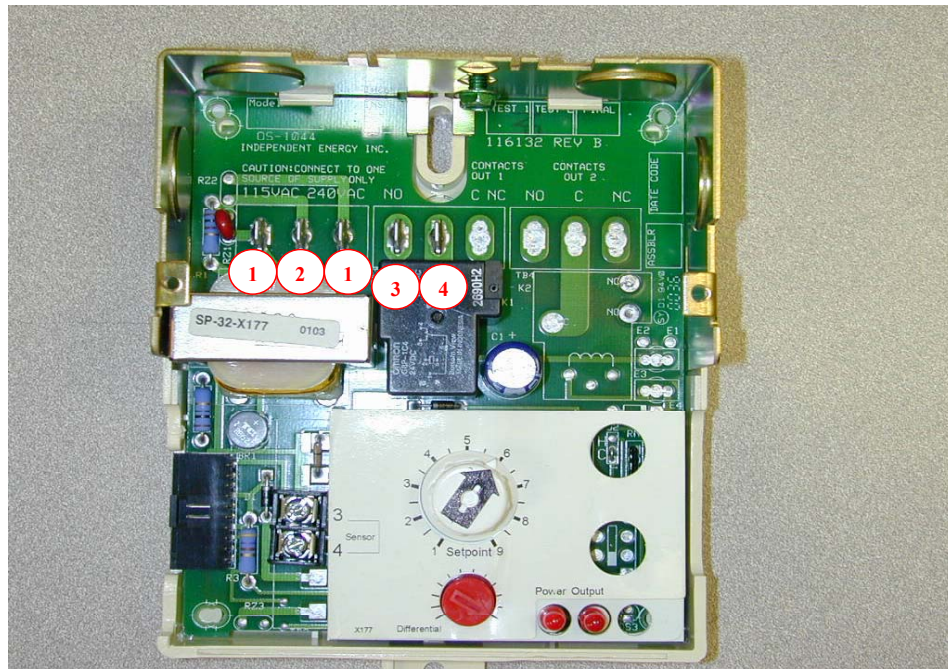
CTL036 Refrigerators	Page 3
CTL040 Freezers	Page 4
Full Size Refrigerators	Page 5
Full Size Freezers	Page 6 & 7
Dixell Box Locations	Page 8 & 9

NOTES:

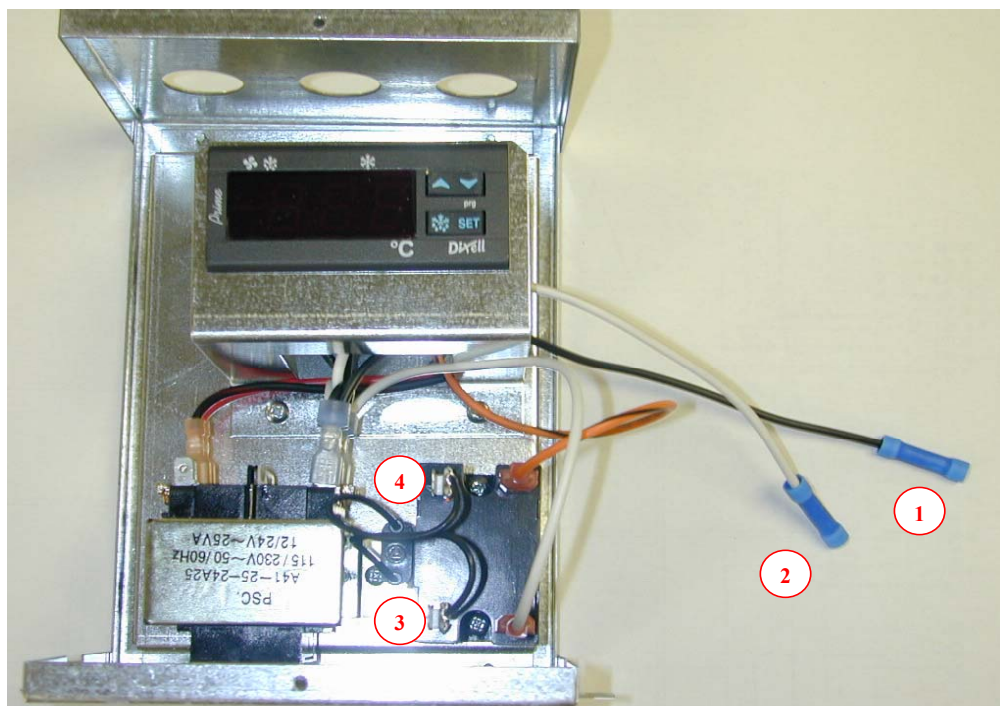
- 1) The following pages cover the majority of the Jewett models, but there will be special cases.
- 2) For freezers that have Liquid Solenoid Valves, the solenoid will need to be wired to #3 on the Dixell control
- 3) The only differences between 115v and 230v Dixell Boxes is the relay coil rating and the transformer primary wiring. 230v units require primary taps #2&5 to be jumped (Blue/Yellow wire).



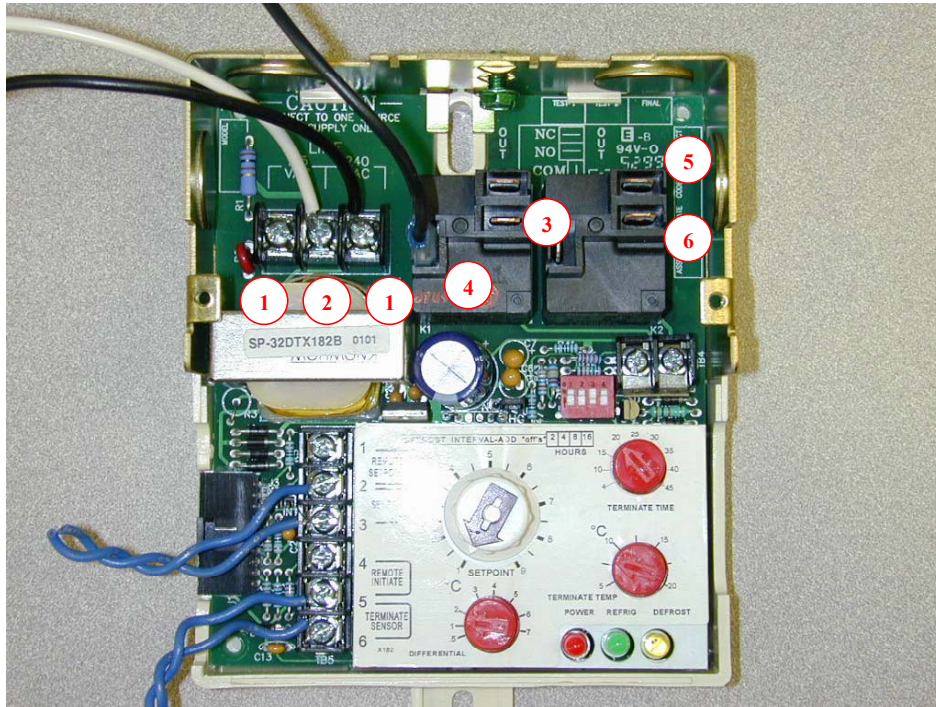
CTL036 Refrigerators



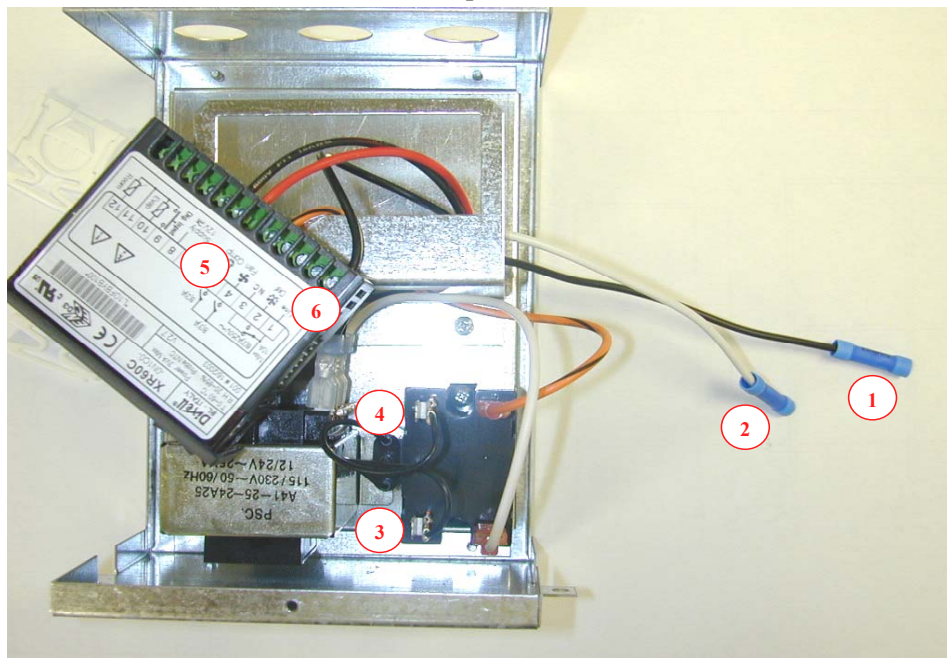
- 1) Remove L1 wire from either 115vac or 240vac tab, strip wire, splice to black wire in Dixell box.
- 2) Remove L2 wire from center/common tab, strip wire, splice to white wire in Dixell box.
- 3) Remove compressor wire from OUT1 - NO, connect to relay, terminal 1, Dixell box
- 4) Remove other compressor wire from OUT1 - Common, connect to relay, terminal 4, Dixell box.



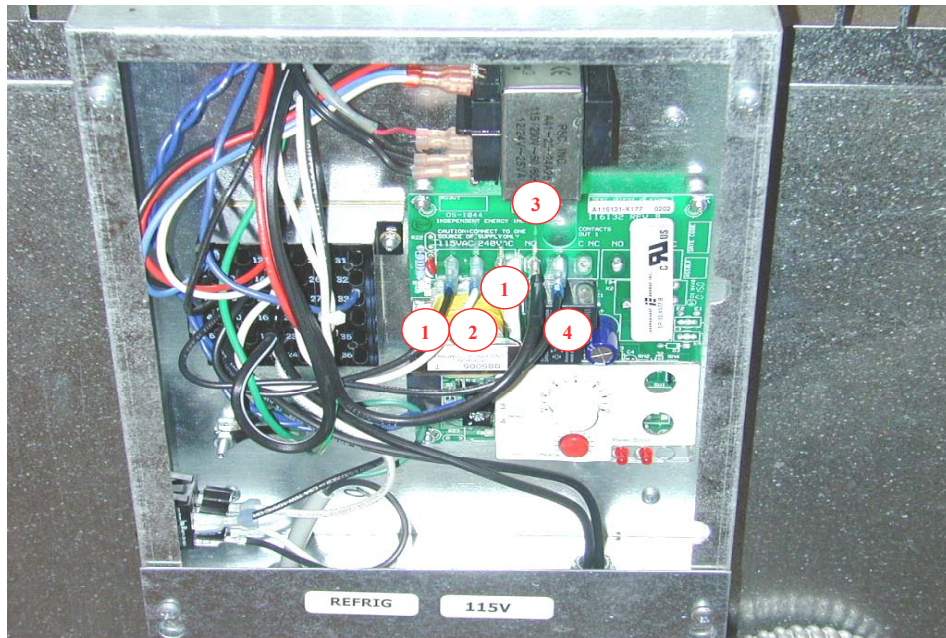
CTL040 Freezers



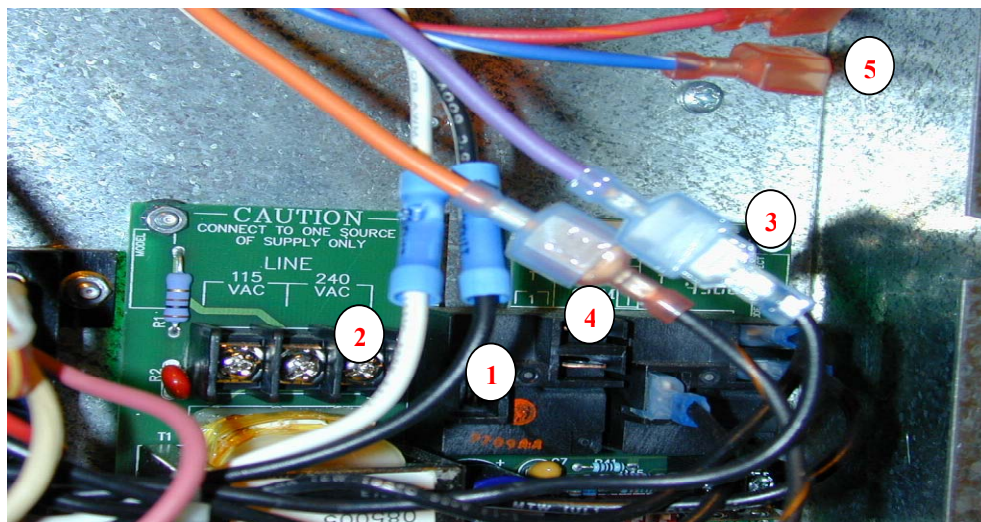
- 1) Remove L1 wire from either 115vac or 240vac tab, splice to black wire in Dixell box.
- 2) Remove L2 wire from center/common tab, splice to white wire in Dixell box.
- 3) Remove compressor wire from OUT1 - NO, connect to relay terminal 1, Dixell box
- 4) Remove compressor wire from OUT1 - Common, connect to relay terminal 4 Dixell box
- 5) Remove fan wire from OUT2 - NC, strip wire, connect to Terminal 4 on Dixell Control
- 6) Remove defrost wire from OUT2 - NO, strip wire, connect to Terminal 2 on Dixell Control



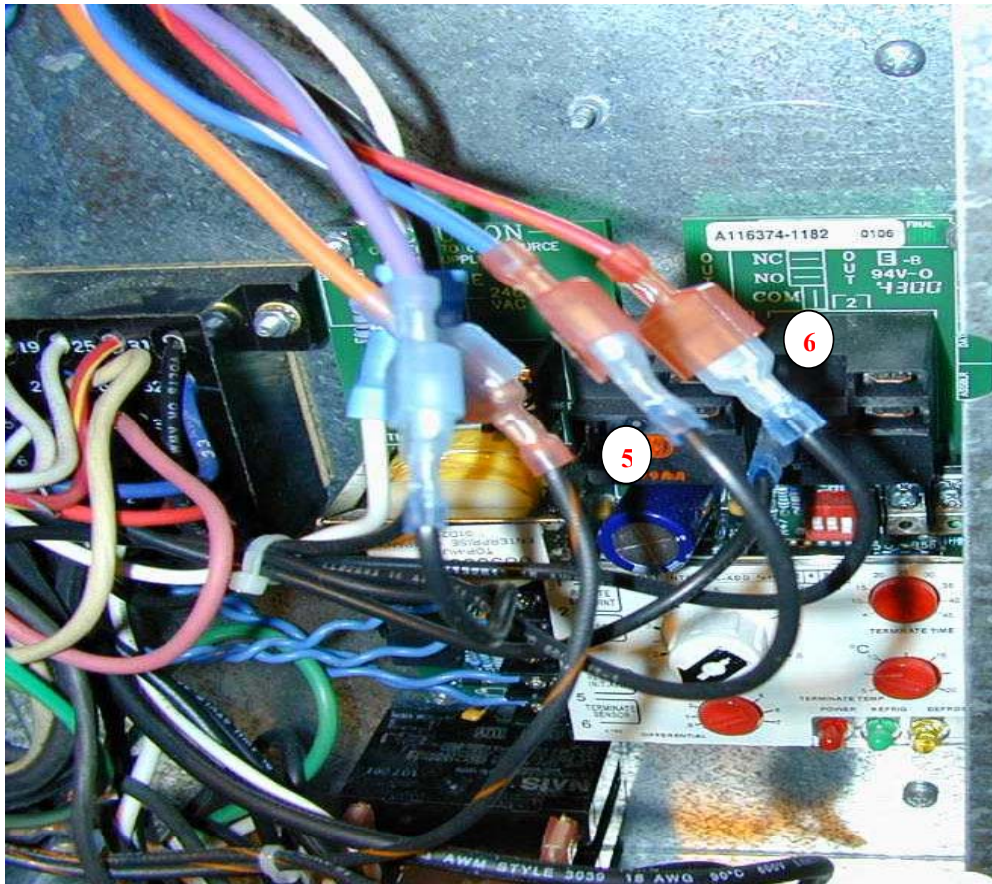
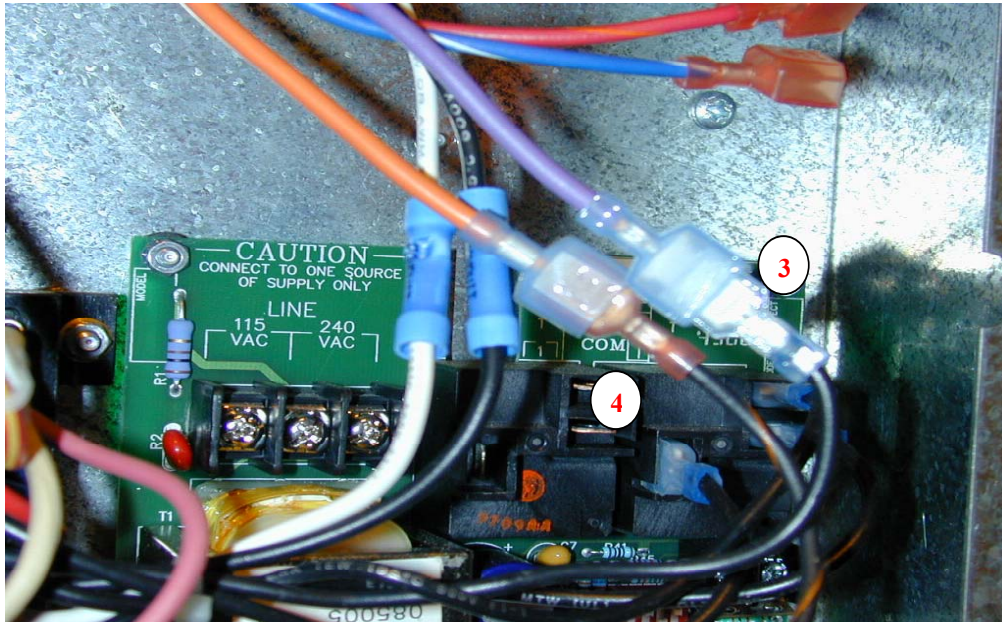
Full Size Boxes – Refrigerators



- 1) Remove L1 wire from either 115vac or 240vac screw on original control (CTL036), strip wire, splice to black wire of patch harness new control
- 2) Remove L2 wire from center/common screw on original control (CTL036), strip wire, splice to white wire of patch harness new control.
- 3) Remove compressor wire from OUT1 – NO original control (CTL036), connect to the Purple wire of patch harness new control. If .250 receptacle is not insulated, use one of the insulated .250 receptacles provided.
- 4) Remove other compressor wire from OUT1 – Common on original (CTL036), connect the Orange wire of patch harness new control. If .250 receptacle is not insulated, use one of the insulated .250 receptacles provided.
- 5) Patch harness also contains a Blue/White and a Red/Orange wire (for freezers) that will need to be tie wrapped out of the way.

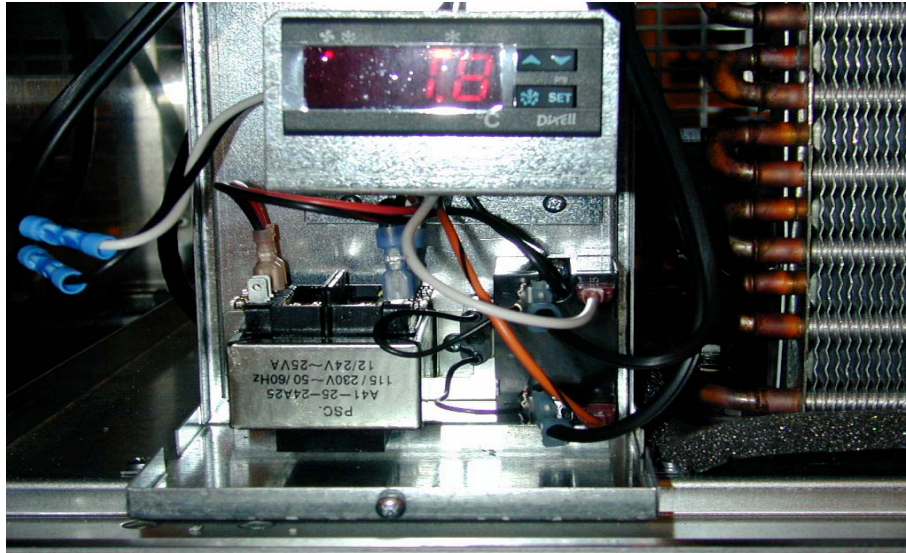


Full Size Boxes – Freezers

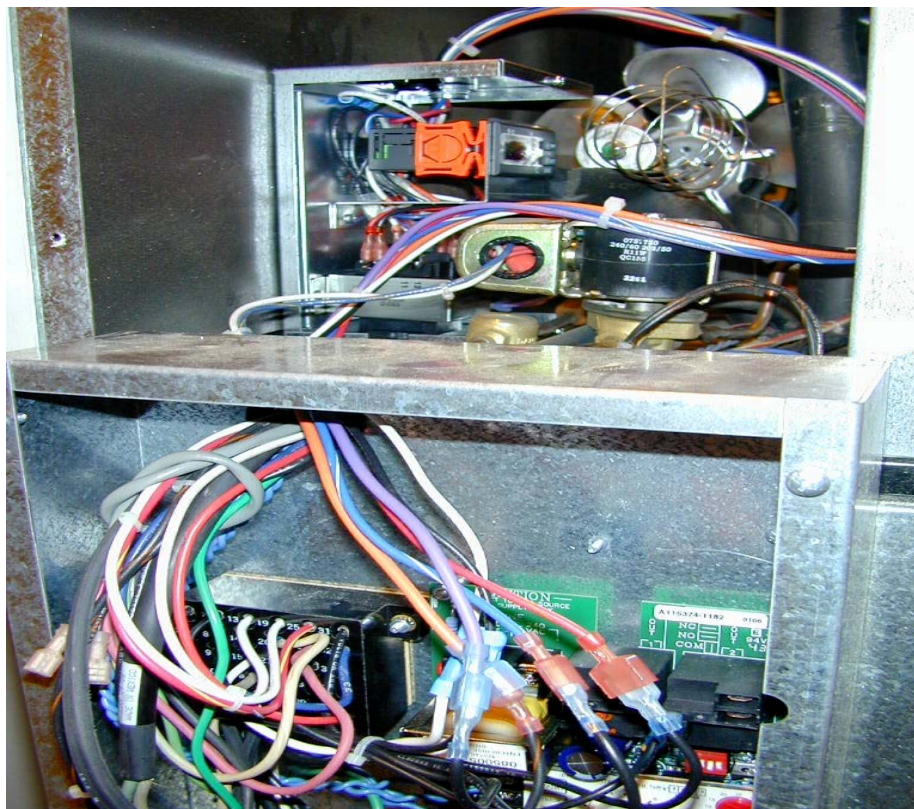


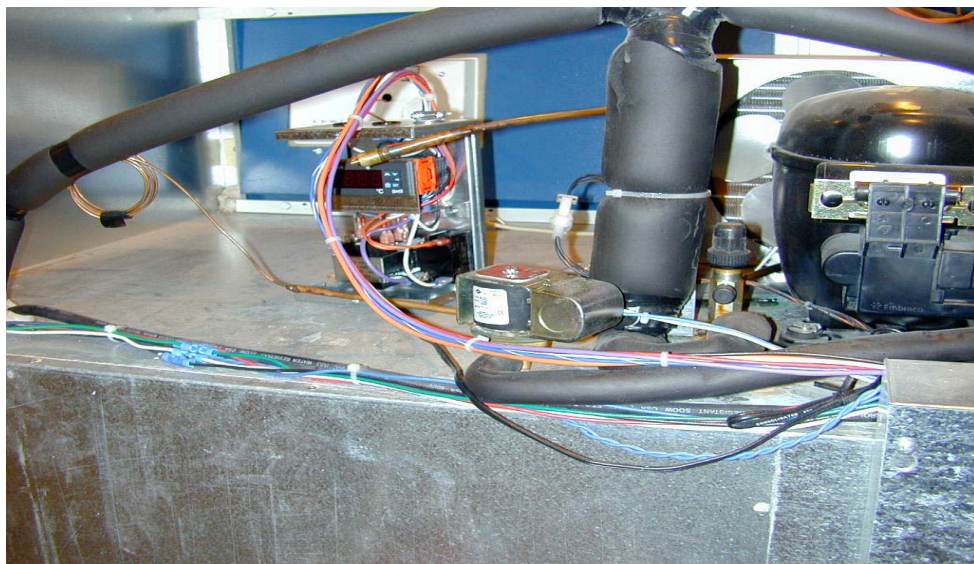
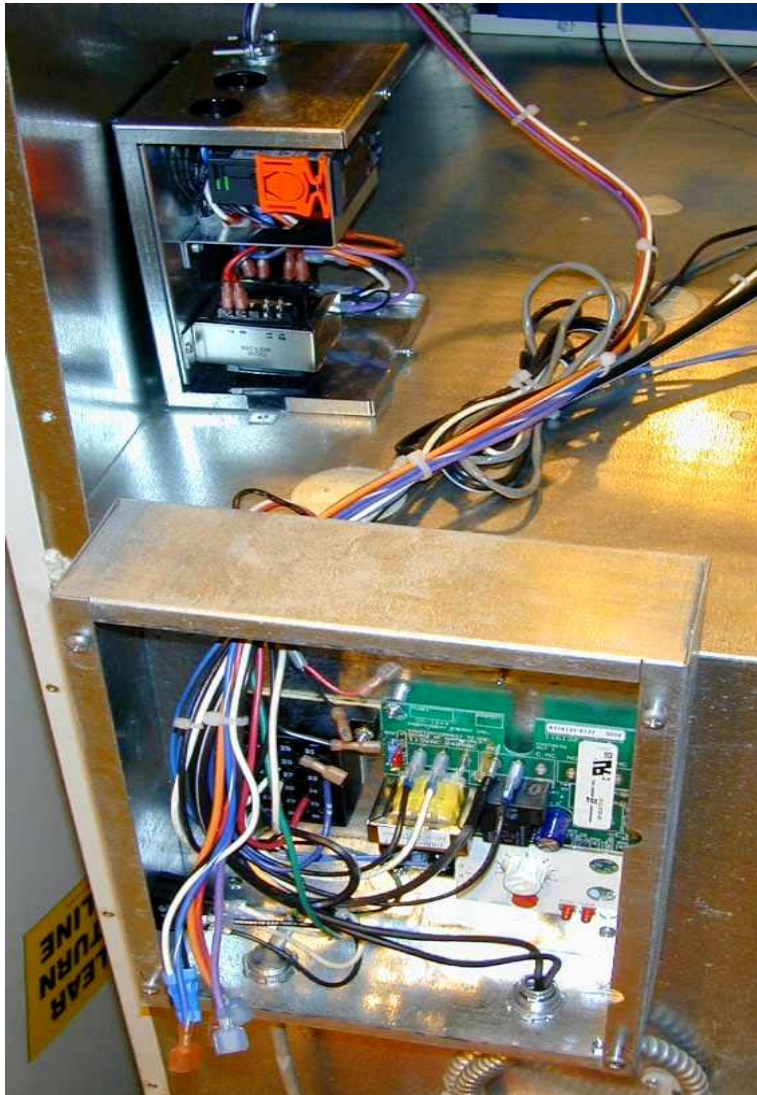
Dixell Box Locations

Under Counters



Full Size





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(General setup for G15 through G18 shown)

NOTE: Further adjustments may be required, see attachment for control settings instructions.

Programming the Dixell Control XR60C with software ver 4.7 (rEL parameter in Hidden list of parameters) for refrigerators.

Refer to the “Installing and operating Instructions” packaged with the Dixell control for complete operation and programming instructions. Take time to read these instructions, with particular attention to section 4 (Front Panel Commands), section 6 (Main Functions), section 7 (Parameters; defined and explained), and section 15 (Default Setting Values). Note that the parameters shaded in gray in section 15 are accessible only when the Hidden programming level is active.

Note: The Dixell control uses the term “Setpoint”. Remember that the Setpoint of the new Dixell control is the temperature at which the compressor cuts OFF, not On. The “Hy” parameter is the Differential which determines the temperature at which the compressor cuts On. Setpoint = Off temperature. Setpoint + Hy value = On temperature.

Enter the Setpoint according to section 6.2 of the Dixell instruction sheet.

Program the non-Hidden parameters listed below according to section 6.4 of the Dixell instruction sheet.

Hidden programming mode is entered while in the non-Hidden programming mode, by pushing the same two programming access buttons (Set and Down) for another 3 seconds.

The following parameters should be entered into the new Dixell control:

1. Setpoint (cutOff Temp) = 2.5°C
2. Hy (differential) = 3 (this will make the cutOn temp 5.5°C)
3. DtE (defrost termination temp) = 4°C
4. IdF (defrost intervals) = 1 (hours)
5. MdF (maximum length for defrost time) = 15 (minutes)

The remainder of the parameters may be left at the factory defaults. An experienced technician familiar with the Dixell control may refine the other parameters according to need.

Factory Settings with rel 4.7

XR60C		XR60C											
XR60C		ver 4.2	"Normal"	217-255			317			417			WM1
Parameters	Default	Refrig	206	337	306	325	355	406	411	425	455	PRF	WM3
Set	-5	2.0*	-21.1*	-20/-30	-32.1*	-32.1*	-32.1*	-42.1*	-41.5*	-42.1*	-42.5**	3.0**	3.8**
HY	2	3	1	1	1	6	1	1	1	6	2	1.5	0.1
LS	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	1.0
US	110	110	-10	-10	-20	-20	-20	-30	-30	-30	-30	110	10
Ot	0	0**	0**	0**	0**	0**	0**	0**	0**	0**	0**	0**	0**
P2P	y	y	y	y	y	y	y	y	y	y	y	y	n
OE	0	0**	0**	0**	0**	0**	0**	0**	0**	0**	0	0**	0
Ods	0	0	0	0	0	0	0	0	0	0	0	0	0
AC	1	1	1	1	1	1	1	1	1	1	1	1	1
CCt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO n	15	5	10	10	10	10	10	10	10	10	10	15	10
COF	30	5	5	5	5	5	5	5	5	5	5	30	5
CF	C	C	C	C	C	C	C	C	C	C	C	C	C
rES	dE	dE	dE	dE	dE	dE	dE	dE	dE	dE	dE	dE	dE
Lod	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
tdF	EL	EL	EL	EL	EL	in	in	EL	in	in	in	EL	in
dtE	8	4	15	15	15	8	15	15	15	8	8	15	8
ldF	6	1	8	8	8	6	8	8	8	6	6	8	6
MdF	30	15	20	20	20	20	20	20	20	20	20	20	10**
dSd	0	0	0	0	0	0	0	0	0	0	0	0	0
dFd	it	DEF	rt	rt	rt	rt	rt	rt	rt	rt	rt	rt	it
dAd	30	0	30	30	30	30	30	30	30	30	30	30	30
Fdt	0	0	0	0	0	0	0	0	0	0	0	0	0
dPO	n	n	n	n	n	n	n	n	n	n	n	n	n
dAF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FnC	o-n	o-n	o-n	o-n	o-n	o-n	o-n	o-n	o-n	o-n	o-n	o-n	C-n
Fnd	10	10	4	4	4	4	4	4	4	4	15	4	10

Fct	10	0	0	0	0	0	0	0	0	0	0	0	0
FSt	2	2	-10	-10	-10	-15	-10	-10	-10	-15	2	-15	2
Alc	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
ALU	110	110	110	110	110	110	110	110	110	110	110	110	110
ALL	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
ALd	15	15	15	15	15	15	15	15	15	15	15	15	15
dAO	1.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	1.3
i1P	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
i1F	dor	LHt	LHt	LHt	LHt	LHt	LHt	LHt	LHt	LHt	LHt	LHt	LHt
did	15	15	15	15	15	15	15	15	15	15	15	15	15
Nps	15	15	15	15	15	15	15	15	15	15	15	15	15
OdC	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C	F-C
PbC	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc	ntc
dP1	-	-	-	-	-	-	-	-	-	-	-	-	-
dP2	-	-	-	-	-	-	-	-	-	-	-	-	-
rEL	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Ptb	4	4	4	4	4	4	4	4	4	4	4	4	4
Parameters	ver 4.2	"Normal"		217-255		317				417	437		WM1
	Default	Refrig	206	337	306	325	355	406	411	425	455	PRF	WM3