

# ***IMPACT Quick Reference Data***

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# CONVERTIBLES

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	CONVERTIBLES					
	C2E C2LE C2LGE	C2XE C2XLE C2XLGE C2XGE	CW2GE CW2XGE CW2UGE CW2EGE CW2XGE CW2UXGE CW2EXGE	C3LGE	C4LE C4LGE C5LE C5E C5GE C5HE C5LE	C6E C6GE C6HE CGLE
Discharge Air Temp °F	27	29	28	30	29	29
Evaporator Temp °F*	21	21	21	21	21	21
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	17/7	17/7	17/7	14/4	14/4	14/4
Defrost Frequency Hrs.	6	6	6	6	6	4
Failsafe Off Time Duration Min. **	30	30	45	30	30	30
Temp Term °F	48	48	48	48	48	48

\*For temperature pressure controlled cases, cutout pressure must produce listed evaporator temperature. Differential should preserve product integrity while preventing compressor short cycling. \*\*For temperature pressure termination, set termination control to terminate defrost when evaporator temperature reaches 48 degrees F except when otherwise listed. Use for non-critical temperature cases only. **NOTE:** Reverse air defrost is not recommended for any Impact Merchandiser except M1LGE.

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	DAIRY/DELI									
	D5 D5L D5R D5LR D5HR	D5E D5LE D5RE D5LRE	D5G D5H	D5HE D5HRE D5NLE D5NE	D5GE D5NHE D5NGE D5NLGE	D6G D6H	D6GE D6HE	D6 D6L	D6E D6LE	D5ELE D5EE
Discharge Air Temp °F	31	32	31	32	32	31	32	31	32	32
Evaporator Temp °F*	21	24	21	24	24	21	24	21	24	24
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	14/4	17/7	14/4	17/7	17/7	14/4	17/7	14/4	17/7	17/7
Defrost Frequency Hrs.	6	6	6	6	6	6	6	6	6	6
Failsafe Off Time Duration Min. **	30	35	35	35	40	35	40	30	35	35
Temp Term °F	48	48	48	48	48	48	48	48	48	48

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<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See installation instructions for complete information)	MEAT							
	M1E	M1GE	M2E M2GE	M3	M3E	M3G	M3GE	M4
Discharge Air Temp °F	27	26	29	28	28	27	28	28
Evaporator Temp °F*	18	18	21	18	21	18	21	18
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	14/8	14/8	14/4	12/2	14/4	12/2	14/4	12/2
Defrost Frequency Hrs.	6	6	6	6	6	6	8	6
Failsafe Off Time Duration Min. **	35	35	30	30	35	30	35	25
Temp Term °F	43	43	48	48	48	48	48	48

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<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See installation instructions for complete information)	MEAT							
	M4E M4NE	M4G	M4GE M4NGE	M5	M5E M5NE M5NGE	M5G	M5GE	MWG MWGE
Discharge Air Temp °F	29	28	29	28	29	27	28	26
Evaporator Temp °F*	21	18	21	18	21	18	21	18
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	14/4	12/2	14/4	12/2	14/4	12/2	14/4	12/2
Defrost Frequency Hrs.	6	6	6	6	6	6	6	6
Failsafe Off Time Duration Min. **	30	30	35	30	30	35	35	60
Temp Term °F	48	48	48	48	48	48	48	43

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PRODUCE

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See installation instructions for complete information)	<b>PRODUCE</b> <i>NOTE: Critical temperature produce must be kept at or below 41° F.</i>									
	P1 P1RO	P1E P1ROE	P2RO P2	P2E P2ROE P2NE	P4 P4RO	P4E P4NE	PW6 PW8 PW12	PWE	PW- 4E,6E,8E,12E  PWW- 4E,8E,12E  PWR- 8E,12E	PWEE PWWEE  PWREE PWRIE
Discharge Air Temp °F	31	31	37	33	29	31	34	32	34	32
Evaporator Temp °F*	21	24	21	24	21	24	21	21	24	24
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	14/4	17/7	14/4	17/7	14/4	17/7	14/4	14/4	17/7	17/7
Defrost Frequency Hrs.	8	8	6	8	6	6	6	6	6	6
Failsafe Off Time Duration Min. **	35	35	30	30	30	30	45	45	45	45
Temp Term °F	43	43	48	48	48	48	NA	NA	NA	NA

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FROZEN FOOD/ICE CREAM

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	FROZEN FOOD			ICE CREAM	FROZEN FOOD	ICE CREAM
	F6	F6L	L8,12 L8G,12G LGH LN8,12 LI8,12 LW8,12 LW8G,12G LW8GH,12GH LWU90,90G,90GH LWU138,138G,138GH LWE LWEG LWEGH	L8,12 L8G,12G LGH LN8,12 LI8,12 LW8,12 LW8G,12G LW8GH,12GH LWU90,90G,90GH LWU138,138G,138GH LWE LWEG LWEGH	LN8G,12G LN8GH,12GH LI8G,12G LI8GH,12GH	LN8G,12G LN8GH,12GH LI8G,12G LI8GH,12GH
Discharge Air Temp °F	-8	-8	-12	-22	-10	-20
Evaporator Temp °F*	-16	-16	-20	-30	-20	-30
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	-20/-39	-20/-39	-27/-39	-27/-39	-27/-39	-27/-39
Defrost Frequency Hrs.	12	8	24	24	24	24
Failsafe Off Time Duration Min.	NA	NA	NA	NA	NA	NA
Electric Temp Term °F	60	60	48	48	48	48
Failsafe Termination (Minutes)	30	30	60	60	60	60
Gas Duration Min.	NA	NA	15	18	18	21

\*For temperature pressure controlled cases, cutout pressure must produce listed evaporator temperature. Differential should preserve product integrity while preventing compressor short cycling. \*\*For temperature pressure termination, set termination control to terminate defrost when evaporator temperature reaches 48 degrees F except when otherwise listed. Use for non-critical temperature cases only. **NOTE:** Reverse air defrost is not recommended for any Impact Merchandiser except M1LGE.

**FROZEN MEAT/SEAFOOD**

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	FROZEN MEAT	FROZEN MEAT/SEAFOOD
	M1LGE	F2XLG
Discharge Air Temp °F	-10	-2
Evaporator Temp °F*	-20	-16
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	-26/-41	-11/-20
Defrost Frequency Hrs.	6	6
Electric Temp Term °F	48	48
Failsafe Termination (Minutes)	40	60
Gas Duration Min.	15	NA

\*For temperature pressure controlled cases, cutout pressure must produce listed evaporator temperature. Differential should preserve product integrity while preventing compressor short cycling. \*\*For temperature pressure termination, set termination control to terminate defrost when evaporator temperature reaches 48 degrees F except when otherwise listed. Use for non-critical temperature cases only. **NOTE:** Reverse air defrost is not recommended for any Impact Merchandiser except M1LGE.

**REACH-INS**

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	REACH-INS					
	RL	RL	RM	RLN RLNI	RLN RLNI	RMN
	FROZEN FOOD	ICE CREAM	DAIRY/DELI	FROZEN FOOD	ICE CREAM	DAIRY/DELI
	WITH INNOVATOR DOORS					
Discharge Air Temp °F	-5	-12	32	-5	-12	32
Evaporator Temp °F*	-11	-19	27	-11	-19	27
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	-18/-34	-26/-45	20/10	-18/-34	-26/-45	20/10
Defrost Frequency Hrs.	24	24	24	24	24	24
Off Time Duration Min. **	NA	NA	60	NA	NA	60
Electric Temp Term °F	48	48	NA	48	48	NA
Failsafe Termination (Minutes)	40	40	NA	40	40	NA
Gas Duration Min.	20	20	NA	20	20	NA

\*For temperature pressure controlled cases, cutout pressure must produce listed evaporator temperature. Differential should preserve product integrity while preventing compressor short cycling. \*\*For temperature pressure termination, set termination control to terminate defrost when evaporator temperature reaches 48 degrees F except when otherwise listed. Use for non-critical temperature cases only. **NOTE:** Reverse air defrost is not recommended for any Impact Merchandiser except M1LGE.

# SERVICE CASES

<b>HUSSMANN®</b> <b>IMPACT™</b> <b>Merchandisers</b>  Recommended Control Settings (See <i>installation instructions</i> for complete information)	SERVICE CASES								
	SMB SMBT	SMBV	SMG SMGT	SMGV	SSG SSGT	SSGV	ED1		EDS1
							WITH REAR DOORS	WITHOUT REAR DOORS	
Discharge Air Temp °F	24	25	24	25	21	22	27	24	24
Evaporator Temp °F*	18	20	18	20	18	20	18	14	14
Low Pressure Cut In/Cut Out (With Thermostat) (°F)	11/#	13/#	11/#	13/#	11/#	13/#	11/#	11/#	11/#
Defrost Frequency Hrs.	12	24	24	24	24	24	12	12	12
Off Time Duration Min. **	NA	NA	70	70	70	70	NA	NA	NA
Temp Term °F	43	43	NA	NA	NA	NA	43	43	43
Failsafe Termination (Minutes)	90	90	90	90	90	90	90	90	90

# *Cut Out Pressure = Cut In, less 10 PSIG. Use a Temperature Pressure Chart to determine PSIG conversions.*

\*For temperature pressure controlled cases, cutout pressure must produce listed evaporator temperature. Differential should preserve product integrity while preventing compressor short cycling. \*\*For temperature pressure termination, set termination control to terminate defrost when evaporator temperature reaches 48 degrees F except when otherwise listed. Use for non-critical temperature cases only. **NOTE:** Reverse air defrost is not recommended for any Impact Merchandiser except M1LGE.