



Project Name: _____ Notes/Comments: _____
 Location: _____
 Order Number: _____
 Contractor: _____
 Supplier: _____
 Architect/Engineer: _____

BENEFIT SUMMARY

- Ideal for truck stock - Eliminates a defrost timeclock and a thermostat
- Simplifies wiring, reducing installation time
- Custom defrost schedule
- Off time defrost on pre-defined schedule
- Compressor protection - maximum starts per hour
- Manual defrost
- 1st defrost 2 hrs after start up
- Alarm - High temp/Low temp/Sensor Failure
- 120V / 208-240V
- 45" temperature sensor included
- Real time clock with battery backup assures that defrost schedules are not lost during power failures
- Modbus communications with remote monitoring, control, and alarm notifications, when connected to the KE2 LDA (Local Area Dashboard & Alarms)
- Service Call Saver - post defrost indicator
- Keypad lock feature

KE2 Temp + Defrost

The KE2 Temp + Defrost controller is designed to simplify refrigeration controls by combining the functions of a thermostat and off-time defrost timeclock – increasing functionality and reducing wiring. **pn 20611**

DESCRIPTION:

The KE2 Temp's robust design provides versatility for a wide range of air defrost applications. When applied to medium temperature applications of 37°F and higher, the built-in defrost clock may be used to perform time-initiated and time-terminated defrost cycles.

The KE2 Temp provides an easy-to-understand thermostat that eliminates end user frustration with the overly complicated options available today. The KE2 Temp has been thoughtfully setup to provide the best system operation, and an intuitive user interface.

The controller's single-pole-double-throw relay controls the refrigeration and defrost cycles.

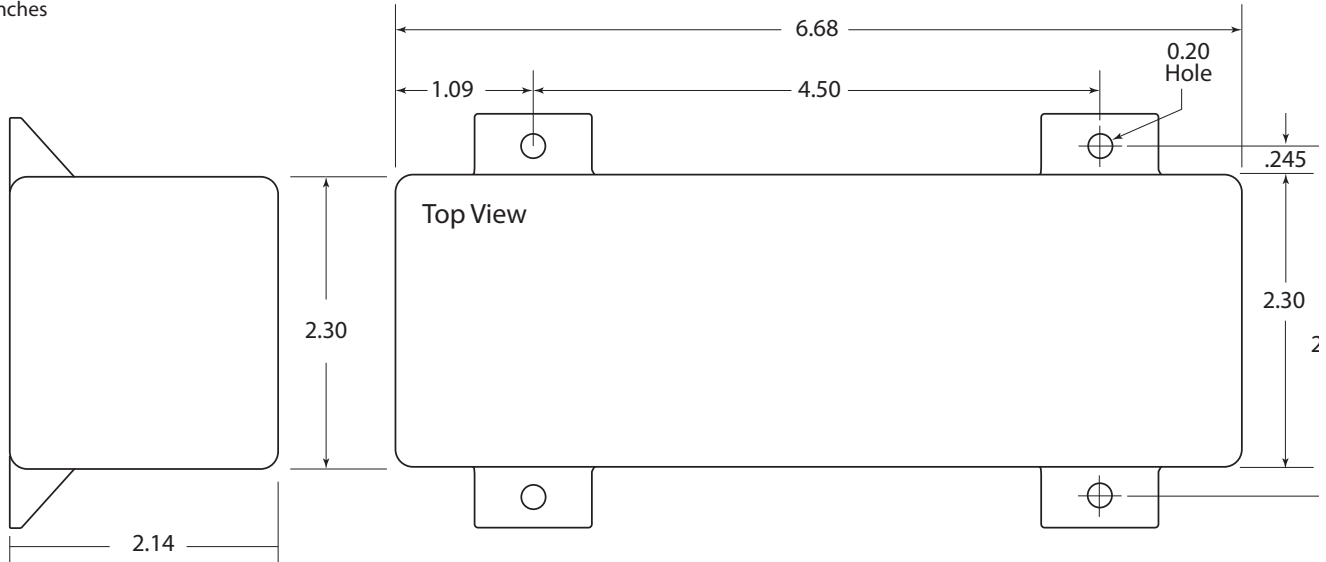


SPECIFICATIONS:

Input Voltage:	120V / 208-240V				
Storage Temp:	-13° to 120°F (-25° to 49°C)				
Operating Temp:	-40° to 120°F (-40° to 49°C)				
Display:	3 digit 7-segment LED				
IP Rating:	IP65				
Input:	1 temperature sensor (replacement part KE2 SKU 20199)				
Outputs: (1) Relay Single Pole Double Throw		Normally Open		Normally Closed	
		120V	240V	120V	240V
	FLA	30A	30A	N/A	10A
	LRA	98A	80A	20A	20A
	Resistive	N/A	30A	N/A	30A
	Horsepower	1 hp	2 hp	1/4 hp	1/2 hp
Pilot Duty	800VA	720VA	290VA	360VA	
Communication:	RS-485 (Modbus)				
Temperature Sensor					
Sensor Specs:	-60° to 150°F (-51°C to 66°C) moisture resistant package				

DIMENSIONS -

Inches



Basic Setpoints

Setpoint	Description	Minimum	Default	Maximum
tS	Temperature Setpoint	-50°F (-45°C)	35°F	100°F (38°C)
diF	Differential	1°F (1K)	2°F	30°F (17K)
CSH	Maximum Compressor Starts/Hour	5 (Off)*	6	10
dPd	Defrost Per Day	0	6	12, CUS**
dFt	Defrost Time	0 min	15 min	720 min
HAO	High Alarm Offset	1°F (1K)	5°F	10°F (6K)
LAO	Low Alarm Offset	1°F (1K)	3°F	10°F (6K)
tAd	Temp Alarm Delay	1 min	90 min	180 min
Adr	Mod Bus Address	1	1	247
Unt	Units for temp display	FAH	FAH	CEL

*Selecting fewer than 5 compressor starts per hour results in the starts per hour feature being turned off. The compressor will then function on temperature only.

** Selecting CUS (custom) unlocks additional Setpoints. See Advanced Setpoints table.

Advanced Setpoints - includes setpoints only visible when CUS (custom) is selected under dPd (defrosts per day)

Setpoint	Description	Minimum	Default	Maximum
tS	Temperature Setpoint	-50°F (-45°C)	35°F	100°F (38°C)
diF	Differential	1°F (1K)	2°F	30°F (17K)
CSH	Maximum Compressor Starts/Hour	5 (Off)*	6	10
dPd	Defrost Per Day	0	6	12, CUS
d12 - d1	Start time of Defrost #12 through #1	00	dis (disabled)	23,dis (disabled)
tod	Time of Day	0.0	12.0	23.5
dFt	Defrost Time	0 min	15 min	720 min
HAO	High Alarm Offset	1°F (1K)	5°F	10°F (6K)
LAO	Low Alarm Offset	1°F (1K)	3°F	10°F (6K)
tAd	Temp Alarm Delay	1 min	90 min	180 min
Adr	Mod Bus Address	1	1	247
Unt	Units for temp display	FAH	FAH	CEL

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