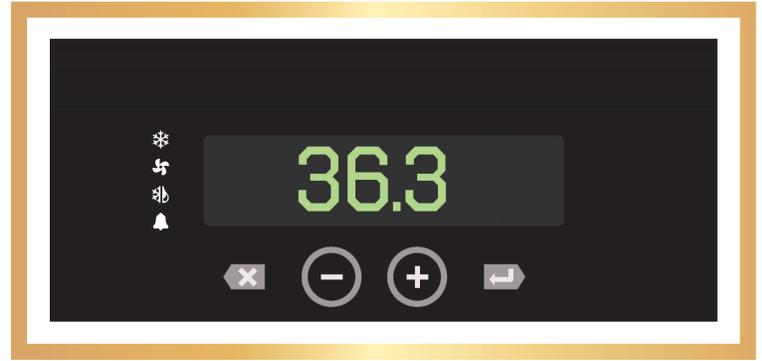


# Traulsen

# SMART CONTROL

Critical System Alarms  
Improved User Interface  
Integrated Smart Sensor  
Advanced Diagnostics  
Energy Efficiency



## SMART CONTROL INTERFACE

At the center of the Smart Control is a text display that shows the cabinet temperature and control settings.

### BUTTON SYMBOLS

-  Escape / Back / Cancel Key (x)
-  Minus (-) / Previous Key
-  Plus (+) / Next Key
-  Enter / Modify Key (↵)

### STATUS SYMBOLS

-  Compressor Status/  
Heater Status  
(Hot Food cabinets only)
-  Fan Status
-  Defrost Status
-  Alarm / Door Open

## POWER FAILURE ALARM

While the new control system is equipped with several alarms, the newest and arguably most critical alarm feature is the Power Failure Alarm. When activated, the easy to read display will identify **three key data points**:

- Time of the power failure
- Time when power was restored
- Cabinet temperature at restart

This technology removes the guesswork for the operator and can significantly reduce unnecessary food waste.

Our Smart Control is standard on most R/A Series upright models.



# SMART CONTROL FOR R&A SERIES

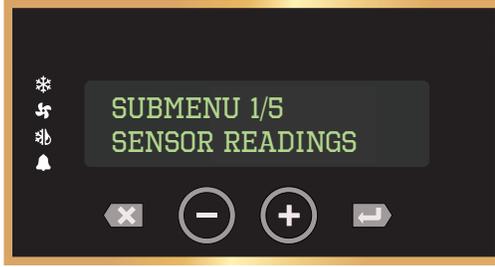


FIGURE 1

While accessing the Controller Menu, two line, small font text messages will display. In this document two line messages are denoted as follows, "TopLine, BottomLine".

For example, the text displayed in Figure 1 is denoted as follows, "Submenu 1/5, Sensor Readings".

## CHANGE THE TEMPERATURE SETPOINT

1. While the cabinet temperature is displayed (home screen), press the Enter / Modify Key(↵). "SubMenu 1/5, Sensor Readings" will display.
2. Push the Plus(+) or Minus(-) Key to navigate the submenu system until, "SubMenu 2/5, Settings" displays.
3. Push the Enter/Modify Key(↵), "Enter Password, 0" will display.
4. Push Enter/Modify Key(↵) three times, to view the setpoint. If the unit has a setpoint of 36, "TempCabSP, 36" will display.
5. Push the Enter/Modify Key(↵), the control will now enter edit mode.
6. Push the Plus(+) or Minus(-) Key to change the setpoint to the desired number.
7. Push Enter/Modify Key(↵) once to register the new value.
8. Push Enter/Modify Key(↵) again to confirm the change. The new setpoint will now display.
10. Push the Escape/Back/Cancel Key(x) twice to exit the submenu system. The cabinet temperature will display in large font.

## INITIATE A DEFROST OPERATION

All Traulsen units are setup to defrost automatically. If necessary, the user may manually initiate a defrost.

1. While the cabinet temperature is displayed (home screen), press the Enter/Modify Key(↵). "SubMenu 1/5, Sensor Readings" will display.
2. Push the Plus(+) or Minus(-) Key to navigate the submenu system until, "SubMenu 3/5, Start Defrost" displays.
3. Push the Enter/Modify Key(↵) twice to start defrosting. Display will return to the home screen, and the defrost icon will light up. The unit will terminate defrost automatically without user intervention.

## CHANGE TIME BETWEEN DEFROST CYCLES

1. While the cabinet temperature is displayed (home screen), press the Enter/Modify Key(↵). "SubMenu 1/5, Sensor Readings" will display.
2. Push the Plus(+) or Minus(-) Key to navigate the submenu system until, "SubMenu 2/5, Settings" displays.
3. Push the Enter/Modify Key(↵), "Enter Password, 0" will display.
4. Push the Plus(+) or Minus(-) Key to set the number to 5, then push the Enter/Modify Key(↵).
5. Push Plus(+) or Minus(-) Key to set the second number to 5, then push the Enter/Modify Key(↵).
6. Push the Plus(+) or Minus(-) Key to set the third number to 5, then push the Enter/Modify Key(↵) (The password is 555).
7. Push the Enter/Modify Key(↵) again, to enter the Settings Menu. "TempCabSP" will display.
8. Push the Plus(+) or Minus(-) Key to navigate the Settings submenu system until, "DefrostInterval, 08:00:00" displays.
9. Push the Enter/Modify Key(↵), the control will now enter edit mode. The "hh" (hour) digits will start blinking.
10. Push the Plus(+) or Minus(-) Key to adjust the "hh" digit and push the Enter/Modify Key(↵) once to register the new value.
11. The "mm" (minutes) digits will now start blinking. Push the Plus(+) or Minus(-) Key to adjust the "mm" digit and push the Enter/Modify Key(↵) once to register the new value.
12. The "ss" (seconds) digits will now start blinking. Push the Plus(+) or Minus(-) Key to adjust the "ss" digit and push the Enter/Modify Key(↵) once to register the new value.
13. Push the Enter/Modify Key(↵) again to confirm the change. The new setting will now display.
14. Push the Escape/Back/Cancel Key(x) twice to exit the submenu system.

# SMART CONTROL FOR R&A SERIES

## ACCESS POWER FAILURE DATA

1. While the cabinet temperature is displayed (home screen), press the Enter/Modify Key(↵). "SubMenu 1/5, Sensor Readings" will display.
2. Push the Plus(+) or Minus(-) Key to navigate the submenu system until, "SubMenu 4/5, Alarms" displays.
3. Push the Enter/Modify Key(↵) to navigate the alarm menu board.
4. Push the Plus(+) or Minus(-) Key to navigate to parameter "Timeofpowerdown". Here the user will see the time duration the unit was powered down.
5. Push the Plus(+) or Minus(-) Key to navigate to parameter TempCabAtPowerUp". Here the user will view the temperature recorded at the moment power was restored to the unit. This will be the warmest temperature during a power loss event.
6. To clear the alarm, push the Enter/Modify Key(↵) again and use the Plus(+) or Minus(-) Key to navigate to parameter "PowerFailAlarm". The parameter will display "Alarm". Push Enter/Modify Key(↵) twice to clear the alarm so the parameter displays "Normal".
7. Push the Escape/Back/Cancel Key(x) twice to exit the submenu system.

**NOTE:** You can use the Plus(+) or Minus(-) Key in a similar fashion to review the status of other alarms while on step 5. For a list of alarms and other parameters please see page 4.

## CHANGE FAHRENHEIT (°F) TO CELSIUS (°C)

1. While the cabinet temperature is displayed (home screen), press the Enter/Modify Key(↵). "SubMenu 1/5, Sensor Readings" will display.
2. Push the Plus(+) or Minus(-) Key to navigate the submenu system until, "SubMenu 2/5, Settings" displays.
3. Push the Enter/Modify Key(↵), "Enter Password, 0" will display.
4. Push the Plus(+) or Minus(-) Key to set the number to 5, then push the Enter/Modify Key(↵).
5. Push Plus(+) or Minus(-) Key to set the second number to 5, then push the Enter/Modify Key(↵).
6. Push the Plus(+) or Minus(-) Key to set the third number to 5, then push the Enter/Modify Key(↵). (The password is 555).
7. Push the Enter/Modify Key(↵) again, to enter the Settings Menu. "TempCabSP" will display.
8. Push the Plus(+) or Minus(-) Key to navigate the Settings submenu system until, "TempUnits" displays.
9. Push the Enter/Modify Key(↵), the control will now enter edit mode and "+/-, ToSelect" will display.
10. Push the Plus(+) or Minus(-) Key to select "DegF" for Fahrenheit or "DegC" for Celsius and push the Enter/Modify Key(↵) once to register the new value.
11. Push the Enter/Modify Key(↵) again to confirm the change.
12. Push the Escape/Back/Cancel Key(x) twice to exit the submenu system.

## HEATED CABINETS:

### TURN UNIT OFF/ON - HOT FOOD CABINETS ONLY

1. To turn OFF the Hot Food unit, press the Escape/Back/Cancel Key(x) until nothing is displayed on the screen. Push any key to turn the unit back ON.

## PARAMETER QUICK REFERENCE CHART

	PARAMETER	SUBMENU	PASSWORD	DATA
COMMONLY REFERENCED	TempCab	Sensor Readings	N/A	Cabinet Temperature
	TempEvap	Sensor Readings	N/A	Evaporator Coil Temperature
	TempLiqLine	Sensor Readings	N/A	Liquid Line Temperature
	TempCabSp	Settings	555	Temperature Setpoint
	TempCabSPDiff	Settings	555	Cabinet Temperature Differential
	CabFanMode	Settings	555	Fan Mode
	DefrostSP	Settings	555	Defrost Setpoint
	DefrostMode	Settings	555	Defrost Mode
	DefrostInterval	Settings	555	Interval between Defrosts
	SerialNumber	Settings	555	EOL: Serial Number
ALARMS	TempCabAtPowerUp	Alarms	N/A	Temperature recorded at the moment power returned
	TimeOfPowerDown	Alarms	N/A	Time recorded at the moment of power failure
	TimeOfPowerUp	Alarms	N/A	Time recorded at the moment power returned
	PFDuration	Alarms	N/A	Duration of power failure
	PowerFailAlarm	Alarms	N/A	Power failure alarm status: - "Alarm" indicates power failure - "Normal" indicates alarm has been cleared by user
	TempCabAlarm	Alarms	N/A	Cabinet Temperature Alarm Status
	TempEvapAlarm	Alarms	N/A	Evaporator Temperature Alarm Status
	TempLiqLineAlarm	Alarms	N/A	Liquid Line Temperature Alarm Status
	LiqLineSDAlarm	Alarms	N/A	Liquid Line Shutdown Status
	EvapSDAlarm	Alarms	N/A	Evaporator Shutdown Status



### FOR ADDITIONAL ASSISTANCE:

**Traulsen Technical Service**

800-825-8220

service@traulsen.com

M-F 7:30 to 11:30a.m. & 12:30 to 4:30p.m. CST