

***Scotsman***<sup>®</sup>

# Technical Review Prodigy Options

Smart-Board  
Vari-Smart



# PRODIGY SMART-BOARD

## Frequently Asked Questions

Q. What is a Smart-Board?

A. The Smart-Board is an optional electronic board that can be field installed on Scotsman Prodigy ice machines.

Q. What does it do?

A. It connects to the standard Prodigy controller and adds certain features to that product.

Q. What are those features?

A. The features are primarily focused on providing more information about the operation of the ice machine.

Q. What type of information can the Smart-Board provide?

A. You may know that the Prodigy has external indicator lights and a code display. Together they provide information on the status of the machine, especially when there has been a malfunction. The Smart-Board has a two line display that can show, in words, what the malfunction is and when it occurred. Other information includes cycle times, cycle counts, power interruption counts, run times, flush levels used, water temperature, discharge temperature, how long since the machine has been cleaned as well as the current time and date.

Q. Does the Smart-Board have a clock?

A. Yes it does. It shows the time and date on its display. It has a battery back up.

Q. That is a lot of information. Can that information be sent to a remote location?

A. Yes. One version of the Smart-Board can be connected to a computer network through its on-board Ethernet connection. That version also uses the NAFEM Data Protocol standard to allow the machine to communicate in a format common with other commercial kitchen equipment. All versions include a front accessible USB port, for use with a local computer using Scotsman software.

Q. The Smart-Board must be logging data. How many days of data will it hold?

A. About 10. After the memory has filled, the oldest data is overwritten with new information.

Q. Are there any unique functions?

A. Yes, when the Smart-Board and the optional adjustable ice level control, Vari-Smart, are installed on the same unit, the Smart-Board can be used to program the ice level for each of the days of the week. That means that the ice level can be automatically adjusted lower for low use days and higher for high use days.

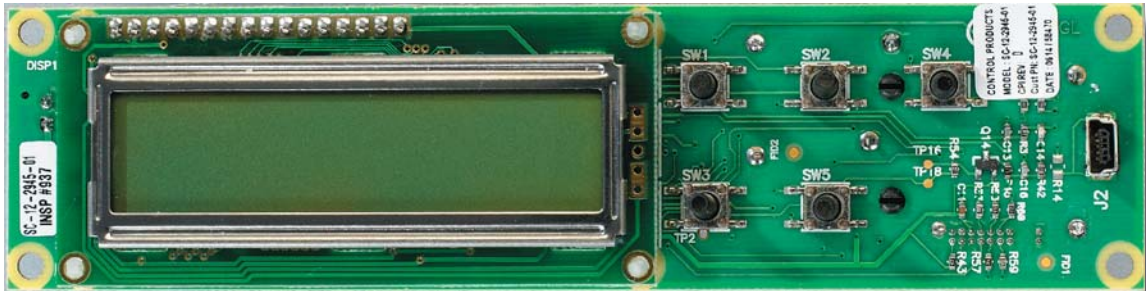
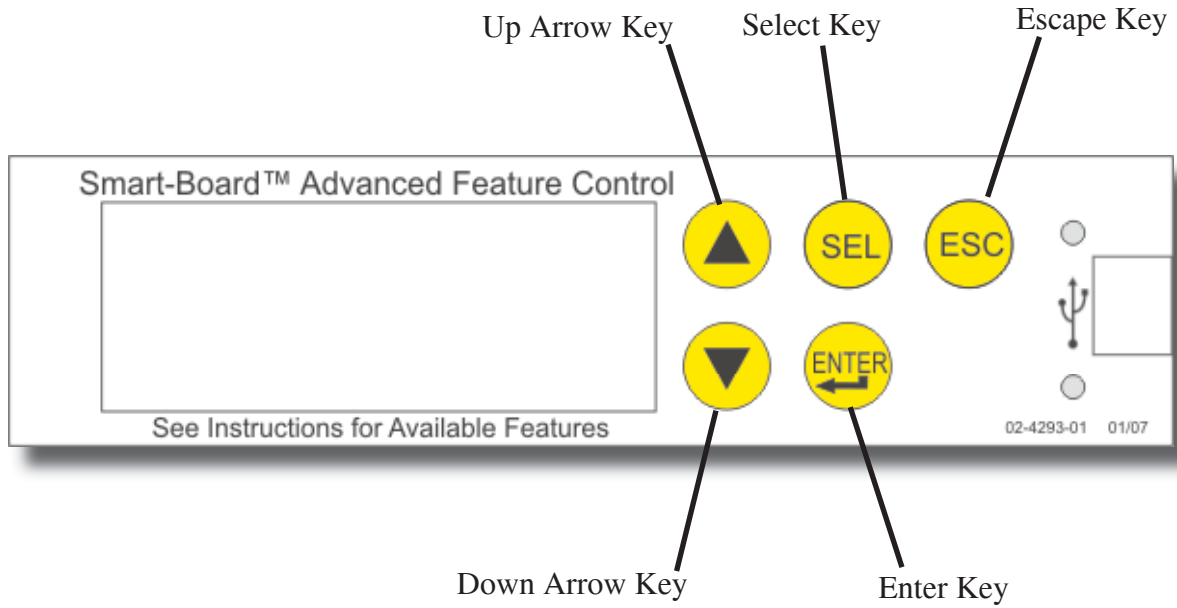
Q. The Smart-Board sounds like it would make a good datalogger for Prodigy. Is it available in a way so it can be connected to a Prodigy controller temporarily?

A. Yes. It is available with the Smart-Board pre-mounted in a control box with a longer wire connection. The Smart-Board can be connected to the Prodigy controller and left inside most machines so it can log data during operation.

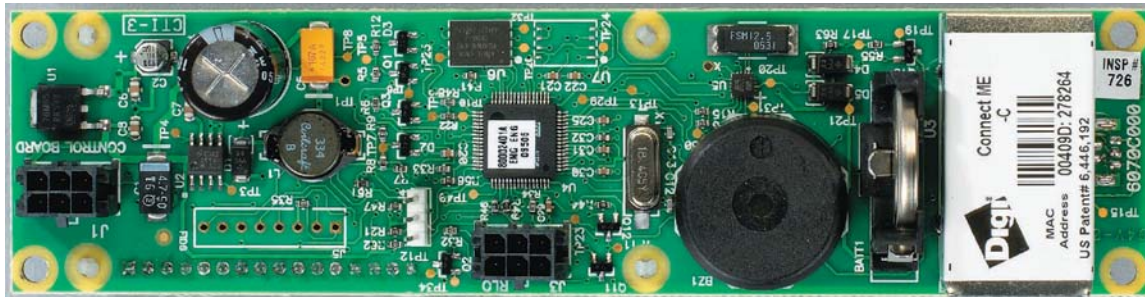
Q. What else can you tell me about the Smart-Board?

A. It has the ability to emit an audible signal under certain conditions, like if the water supply to the ice machine is interrupted. The signal is turned off by default, but a user can enable it if they wish. In test mode it can measure the water flow rate into the machine. This is useful in determining if the water flow is adequate. The ice machine serial number is recorded into its controller at the time of manufacture. The Smart-Board can display it, and other, similar, information.

# PRODIGY SMART-BOARD



Front of Smart-Board



Back of Smart-Board

## Frequently Asked Questions

Q. What is Vari-Smart?

A. Vari-Smart is an optional ice level control system for Scotsman Prodigy ice machines.

Q. What does it consist of?

A. Vari-Smart is made up of two main components, an electronic control board and a remote sensor.

Q. What does it do?

A. Vari-Smart, when installed in a Prodigy ice machine, continually checks the level of ice in the ice storage bin or dispenser that the machine is on. If the ice level is low, it turns the ice machine on to make more ice. If the ice level is high, it switches the ice machine off.

Q. That sounds like a regular ice level control. What is special about Vari-Smart?

A. It is adjustable. Most ice level controls fill up to the maximum position and control from that. Vari-Smart can be adjusted lower, and control that lower level.

Q. What is the benefit of a lower ice level?

A. Many times users do not want full bins of ice all the time. Or the machine may be on a dispenser that requires a lower level of ice. Vari-Smart allows that to be done, and in an easily adjusted manner.

Q. How are adjustments made?

A. The main adjustment is an external ice level knob. It is located to the right of the on and off buttons, and can be operated by anyone at any time. Or it can be covered up with the bezel that ships with Prodigy cubers. Rotating the knob clockwise lowers the maintained ice level.

Q. Can the Vari-Smart still fill the bin to the maximum?

A. Yes, rotating the knob until the two arrows point at each other operates the Prodigy cuber on its main curtain switch control, which causes the cuber to make ice until the ice level is up to the bottom of the cuber.

Q. Are there any other ways to adjust the ice level?

A. Yes. When a Vari-Smart is combined with a Smart-Board, the Smart-Board can be set to provide four different times and levels for each day of the week. In other words, it is seven day programmable.

Q. If someone purchased a Prodigy and later decided they wanted Vari-Smart, can it be added?

A. Yes. Vari-Smart is designed to be field installed. The kit includes a controller, sensor with connecting wire, label and instructions.

Q. Do any Prodigy machines include the Vari-Smart as standard equipment?

A. Yes, the Prodigy Eclipse EH222 ice making head has a very similar system as standard equipment.

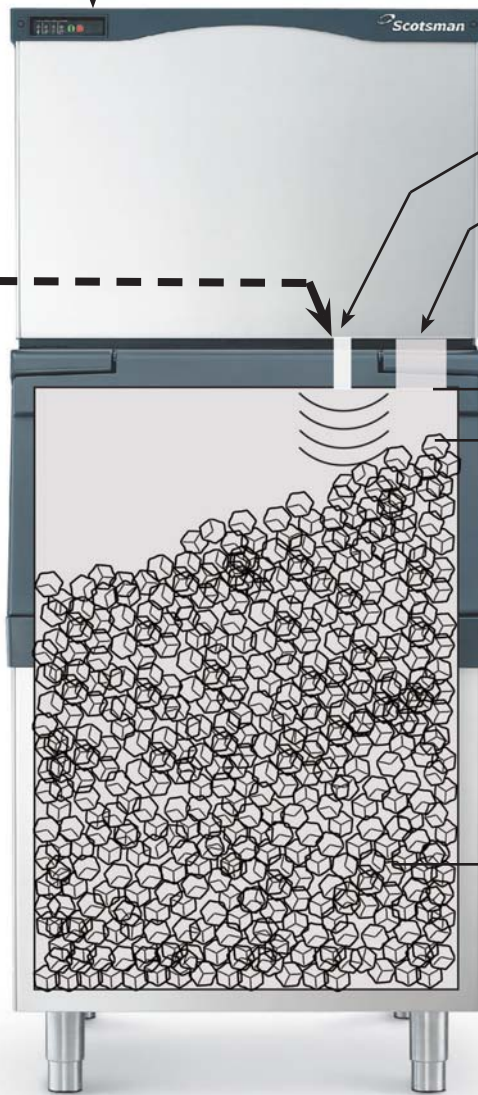
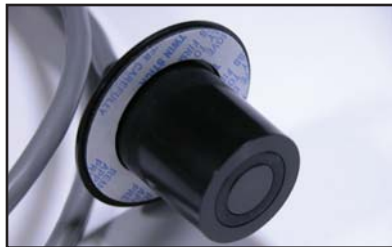
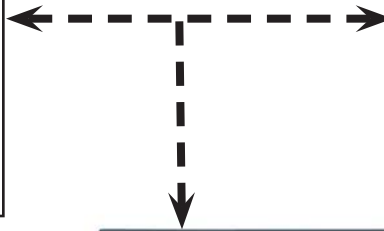
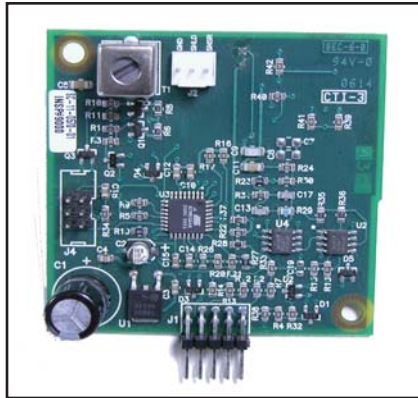
Q. If Vari-Smart was not able to shut the machine off, is there a back up control?

A. Yes. Prodigy cubers have a curtain switch bin control. That control remains active when Vari-Smart is added. Either control can shut the machine off.

Q. Is there any external indicator to inform a user if the bin is full or not?

A. Yes. Vari-Smart's controller includes a Bin Full light that illuminates when the bin is full.

# PRODIGY VARI-SMART



Sensor

Drop Chute

9" Hi Fill

32" Low Fill

# PRODIGY OPTIONS

Option Name	Item Number	Network Ready?	Description
Smart-Board	KSBU	No	Advanced feature control. Permanent mount to Prodigy machine. USB port for computer connection. Includes Scotsman software for connection and downloading of data.
Smart-Board for Networks	KSBU-N	Yes	Advanced feature control. Permanent mount to Prodigy machine, includes network Ethernet connection. NAFEM Protocol compliant. NAFEM networking software not included. Network display by internet browser built in. USB port for computer connection. Includes Scotsman software for connection and downloading of data.
Smart-Board Datalogger Tool	TPDL2	No	Advanced feature control, intended for temporary connection to Prodigy machine. No network connection. USB port for computer connection. Includes Scotsman software for connection and downloading of data.
Vari-Smart	KVS	N/A	Adjustable ice level control. When combined with the Smart-Board, can be programmed to deliver 4 different ice levels at 4 different times per day for 7 days.