

HOSHIZAKI AMERICA, INC

SERVICE BULLETIN

SB91-0007

OCTOBER 28, 1991

SUBJECT: NEW CONTROLLER BOARD

As part of Hoshizaki America's continuing effort to improve the KM series, we have designed a new controller board.

The new controller board will be known as the "Alpine" controller board, Hoshizaki America part number 2U0127-01.

This board has the same sequence of operation as the "C" style controller board, yet it provides the capability of finer adjustments allowing for better efficiency and lower water consumption. The board includes a pump out frequency selection that allows for a pump out once every cycle, once every two cycles, once every five cycles or once every ten cycles. The voltage protection is included in the board transformer, so the high voltage protection relay is eliminated. The board also has built in protection against foreign noise or distribution.

The board has eight dip switches:

- A. Switch # 1 & 2 will adjust the defrost completion timer from one to three minutes - position as follows:

	A	B	C	D
#1	OFF	ON	OFF	ON
#2	OFF	OFF	ON	ON
TIME	60 SEC.	90 SEC.	120 SEC.	180 SEC.

The factory settings on switches 1 & 2 are:

KM-250BAB 2 minutes (C)
KM-250BWB 3 minutes (D)
All Other KM's 1 minute (A)

- B. Switch # 3 & 4 will adjust the pump out time - positions as follows:

	A	B	C	D
#3	OFF	ON	OFF	ON
#4	OFF	OFF	ON	ON
PUMP OUT	10 SEC	10 SEC	10 SEC	10 SEC
WATER VALVE	OFF	OFF	ON	ON
MIN. DEFROST TIME	150 SEC	180 SEC	120 SEC	180 SEC

The factory settings for switches 3 and 4 are:

KM-250B (B)
KM "M" series (A)
KM "S" series (D)

- C. Switch # 5 & 6 will adjust the pump out frequency.

	A	B	C	D
#5	OFF	ON	OFF	ON
#6	OFF	OFF	ON	ON
PUMP OUT OCCURS EVERY	1 CYCLE	2 CYCLE	5 CYCLE	10 CYCLE

The factory settings for switches 5 and 6 are:

Original Production KM-1600 M/S (A)
KM-250 M. (A)
After September 16, 1991 production,
(D) All models produced with Alpine Boards.

- D. Switch # 7 sets the mode for future options and is not used. This switch should remain off.

- E. Switch # 8 is for the board check out procedure and is explained in detail in the service manual. This switch should remain off, unless the check out procedure is being preformed.

NOTE: The new alpine board has the same back up timers as the "C" board.

6 minute maximum water fill timer.
20 minute defrost completion timer.
60 minute freeze completion timer.
1 minute water fill cycle.

You will find Alpine Control Boards on the following models and serial numbers.

KM-250BAB	A22956	---->
KM-250BWB	A10706	---->
KM-250M	ALL UNITS	
KM-450MAB	A26245	---->
MWB	A22106	---->
MRB	A10181	---->
KM-630MAB	A23851	---->
MWB	A11501	---->
MRB	A12201	---->
KM-800MAB	A21181	---->
MWB	A20731	---->
MRB	A20806	---->
KM-1200MAB	A20981	---->
MWB	A10679	---->
MRB	A12196	---->
KM-1600	ALL UNITS	
KM-2000	ALL UNITS	
KM-2400	ALL UNITS	

There will be two part numbers available:

#2U0127-01 - will be used in all units produced with the alpine board.

#2U0139-01 - will be a drop in field replacement for the units utilizing the "C" style control boards from original production. A change from the "C" board will allow pump out frequency adjustability, which will allow lower water consumption and better efficiency in higher ambient conditions. This board will not replace the 2U0127-01 in an original alpine board production unit. It will be in parts inventory around January 1, 1992. -

DM/mb

HOSHIZAKI AMERICA, INC. SERVICE BULLETIN

SB91-0007 SUPPLEMENT

December 3, 1991
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SUBJECT: ALPINE CONTROL BOARD SUPPLEMENT

The alpine control board is utilized on these additional models/
serial numbers.

MODEL NUMBER

KM-1200SAB
KM-1200SWB
KM-1200SRB

SERIAL NUMBERS

A20431 ---->
A10381 ---->
A11381 ---->