



January 22, 2001

Mr. Russel Grant  
KTL OTTAWA INC.  
3325 River Road  
Ottawa, Ontario  
K1V 1H2

Dear Sir:

**RE: Description of Technical Differences between  
Variants of AC200 series monitors.**

Further to our telephone conversation of last week, please find below differences between the AC200 monitors.

***Rechargeable models (model numbers ending 'R' AC200R & AC201R).***

The 'R' versions have rechargeable batteries fitted in the parent unit and the parents unit will recharge these batteries when powered from the AC adaptor.

The only difference between these models and the non 'R' version is the addition of the battery charging resistor in the Parent unit (receiver)

***Differences between Sound Only (AC200) and Sound & Movement (AC201)***

The AC200 is a basic nursery sound monitor (one way intercom). The AC201 has the addition of a movement monitor which has a socket for a sensor pad which detects motion from the infant being monitored. The monitor will alarm if there has been no motion from the sensor pad for 20 seconds.

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The parent units (receivers) are identical.

The nursery units use identical PCB's and have an identical transmitter circuit. The sound only version has the movement sensor circuit omitted, this part of the circuit is highlighted with a dark border on the circuit diagram and labelled Sensor sub assembly. All the components omitted have part references prefixed 'S'.

An additional circuit is included in the AC200 version to control the voice activation of the transmitter (Highlighted in a box and labelled AC200 on the circuit diagram). This voice activation circuit performs the switching function which is normally controlled by SU2 microcontroller which has been omitted in this version. All the components in this voice control circuit are prefixed 'M'.

Further minor changes are the replacement of the tri-colour LED (SLED1) which indicates movement and alarm on the AC201 with a single green power on LED for the AC200 version.

With reference to the circuit diagram all components prefixed 'B' are common to AC200 and 201. Components with references prefixed 'M' are for the AC200 only. Components with references prefixed 'S' are for AC200 only.

We trust the present will be found satisfactory and remain,

Yours truly

Sylvie Charette  
Manager  
Administration and Finances

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