



Service Bulletin

Bulletin No. 12-07
November 30, 2007

To: ITW Ransburg and ITW Automotive Finishing Distributors
Subject: RCS2 Channel Board (P/N 78814-00)

The IC chip used on the RCS-2 Channel Card (P/N 78814-00), that produces the 4-20 mA output for motor speed control and pressure control, is becoming extremely expensive and is currently experiencing very long lead times. For that reason, we have decided to produce two new versions of the Card. One version will be built as the boards are now (P/N 78814-02). The second version (P/N 78814-01) will not have the 4-20 mA converter IC on the board, which will effectively eliminate the capability of the board to output 4-20 mA signals for these two outputs. (Our records indicate very few users make use of these two output signals.) The 0-10 VDC outputs for these two signals will still function normally.

In order to insure that customers receive the proper board when ordering replacements, the following changes have been made to the part numbers: The 78814-00 part number has been obsoleted. The 78814-01 board is the new board without the 4-20 mA IC's and this is the board that will be used in all future builds unless the customer or application engineering specifically requests 4-20 mA outputs for these two signals. The 78814-01 board can be modified by Angola to become a 78814-02, if a customer requires this option, for an additional cost.

Tech support personnel receiving requests for the 78814 board must determine if the customer is using the 4-20 mA option for either the motor speed control output or the pressure control output prior to selecting which of the two new boards to send them. This can be done by examining the jumpers on their current boards. If any of the following jumpers: JMP6, JMP7, JMP15, or JMP16 are connected between pins 2 and 3, this most likely indicates that they are using the 4-20 mA option and will require the 78814-02 board. (Unless that channel or output signal is not being used and the jumpers were changed from the factory defaults for some reason.) In all other cases, the 78814-01 board should be used. (See picture on next page for jumper locations. Note that pin #1 is toward the top of the board.)

