P4-Series Dispenser Error Codes

CODE	TYPE	DESCRIPTION - CORRECTION
E-01	Self Recover	Reserved Watch dog timer error: In case the calculator software enters into an unknown state, has an independent recovery system to overcome the problem and reset the system. Such a condition will be warned with E-01 error code.
E-02	Manual Reset	Recoverable Nozzle Switch error When the system is powered on, or reset by an external or internal command and the nozzle switch is not in closed position the system will respond with an E-02 code on the display. Putting the nozzle in its housing or turning off the activation switch will reset the error. This code is most commonly triggered by leaving the “Push-To-Start” button in the on (Illuminated or IN) position at the end of a transaction, when power is reset. Press and release the button to reset. The dispenser is in the “ON” or “DISPENSING” mode when the button is pressed in and illuminated.
E-04	Manual Reset	Recoverable Pulser error When the system is powered on, or reset by an external or internal command, the calculator performs and pulser presence check. If the pulser is not connected or misconnected the system will respond with an E-04 error. Connecting the pulsar properly to the controller will reset the error. CHECK that pulser is properly connected. Disconnect and reconnect pulser to ensure proper connection. Disconnect power and restart dispenser to clear if required. If pulser is connected properly and code remains, Pulser should be replaced and returned to PARAFOUR for inspection.
E-05	Manual Reset	Recoverable Density Probe CRC Error If the Density Probe is enabled and the Probe is connected but there is an error in communication with the Probe the system will respond with an E-05 error. Disabling the Probe from the Calibration Menu or connecting the Probe properly will recover the error.
E-06	Manual Reset	Not recoverable Pulser back count limit error The pulser is allowed to turn and produce pulses only to one direction. Some pulsers have mechanical limitation for reverse turning, some pulsers can turn in both directions. For those kind of pulsers, during product delivery it is allowed a specific amount of volume for the pulser to turn in the reverse direction. This amount is internally calculated and will be subtracted from the real amount when the pulser starts to turn in the right direction. However, if reverse turning exceeds the preset value, the system will shut off all outputs and respond with an error code E-06. Only resetting the system will cause to overcome that error.

P4-Series Dispenser Error Codes		
E-07	Manual Reset	Recoverable Invalid flow error When the nozzle switch is off, all system outputs, such as motor and solenoid driving sections of the system are off. Therefore, there should not be any product flow during that period. However, if a product flow is detected when the nozzle switch is off, exceeding a predefined level, the system will shut off all the outputs and warns with an error code E-07. When this code is observed, the cause of the error should be corrected and the system should be restarted. You can use the Leakage control function to enable, disable or set the sensitivity of this function.
E-08	Self Recover	Recoverable RTC Presence error At startup the system checks the integrity of the on board Real time clock. If an error occurs in reaching the RTC the system will respond with an error code E-08 and flashes the error display 5 times at startup. To recover the problem completely, RTC should be replaced. E-09 Recoverable RTC operation error If the internal RTC is present on board, but not functioning properly, the system gives a warning message of E-09 and flashes the error display 5 times at startup. To recover the error completely, the RTC should be replaced. In most cases, this error can be ignored, as the RTC is not required for basic functions.
E-09	Self Recover	Recoverable RTC operation error If the internal RTC is present on board, but not functioning properly, the system gives a warning message of E-09 and flashes the error display 5 times at startup. To recover the error completely, the RTC should be replaced. In most cases, this error can be ignored, as the RTC is not required for basic functions.
E-10	Manual Reset	Recoverable ATC Sensor error If ATC Operation is enabled, the system will check the presence the ATC probe before making temperature measurements. If the presence is not detected, the calculator will respond with an E-10 error. Connecting the ATC probe to the system or disabling the ATC option will recover the error. CHECK that the probe is connected properly. Dis-connect and re-connect to ensure proper connection. Restart power to clear and reset after correction.
E-11	Manual Reset	Recoverable Density Probe Presence Error If the Density Probe is enabled and there is no Probe connected the system will respond with an E-11 error. Disabling the Probe from the Calibration Menu or connecting the Probe properly will recover the error.