

DL305 Error Codes

In This Appendix. . . .
— Error Code Table

Handheld Programmer D3-HP & D3-HPP have been retired as of 03/2021 & 01/2018 respectively. Please consider Productivity, BRX, or CLICK series PLC systems as upgrades.

DL305 Error Code	Description
E01 Invalid Keystrokes	Invalid keystroke or series of keystrokes entered into the handheld programmer. Refer to the DL305 Handheld Programmer manual for assistance in the operation you are trying to perform.
E02 Input Point Programmed as Output	An I/O point dedicated to an input module has been used as an output in the application program. Change the I/O reference number in the program which is causing the error.
E03 Stack Overflow	The maximum number of instructions utilizing the internal stack has exceeded eight. These instructions can be a combination of AND STRs, OR STRs and MCS/MCR groups. Reduce the number of these instructions which are pushed onto the stack at one time.
E05 (NON Stage) Duplicate Coil Reference	Two or more output coils have the same data type and number. Change the duplicate coil to correct the error. Duplicate coil references are valid with the SET instruction. E05 will be generated at the address of the second duplicated output.
E05 (Stage) Duplicate Stage Reference	Two or more Stages have the same reference number. Change the duplicate Stage number to correct the error. E05 will be generated at the address of the second duplicated stage number.
E06 MCR/MCS Mismatch	The number of MCR instructions do not match the number of MCS instructions. Each MCR must have an accompanying MCS.
E07 Missing CNT or SR Contact	A required input contact is missing from a CNT (example, RESET input) or a SR instruction.
E08 Invalid Data Values	The required data values for a TMR, CNT or SR are missing or incorrect. Refer to the DL305 Programming Manual Set for details on these instructions.
E09 Incomplete Program Rung	The rung does not terminate with an output as required. Program an output to terminate the rung properly.
E11 Program Full	There is no available program addresses in memory. Reduce the size of the program.
E21 Program Memory Parity Error	A parity error has occurred in the program memory of the CPU. Clear the memory and reload the program. If the error reoccurs replace the CPU. Severe electrical noise will cause this problem.
E22 Password Error	The password stored in the CPU is invalid. Press the "CLR" key twice on the handheld programmer and the password will be reset to 0000. Re-enter the password if required.
E25 Tape/Program Mismatch	A mismatch was found when a compare was performed on the program in CPU memory and the program stored on tape.
E28 Volume Incorrect On Tape Device.	The volume is incorrect on the tape player being used to load the program to the CPU. Adjust the volume and retry the operation. Refer to the DL305 Handheld Programmer manual for details on tape operation.
E31 RAM Limit Exceeded	The application program required more RAM for execution than is available. Reduce the length of the program.
E377 EEPROM Write Error	Write of EEPROM failed because EEPROM is write protected (remove write protect jumper), the EEPROM is bad (replace EEPROM), or UVPROM is installed instead of EEPROM (install EEPROM).
E99 Instruction Not Found	A search was performed and the specified instruction was not found in the application program.