**CodeBlue Instruction Format**

Each 9-digit memory location represents one instruction or data value with the following fields:

ABCCCDEEE

where

A = OpCode

0 – positive data value, remainder of instruction is data value  
 1 – negative data value, remainder of instruction is data value  
 2 – COPY instruction  
 3 – ADD instruction  
 4 – JUMP instruction  
 5 – JUMPZ instruction

B = Operand 1 Addressing Mode

1 – Literal mode with positive value  
 2 – Literal mode with negative value  
 3 – Relative mode with positive offset  
 4 – Relative mode with negative offset  
 5 – Indirect mode with positive offset  
 6 – Indirect mode with negative offset

CCC = Operand 1 value

D = Operand 2 Addressing Mode (same as B above)

EEE = Operand 2 value