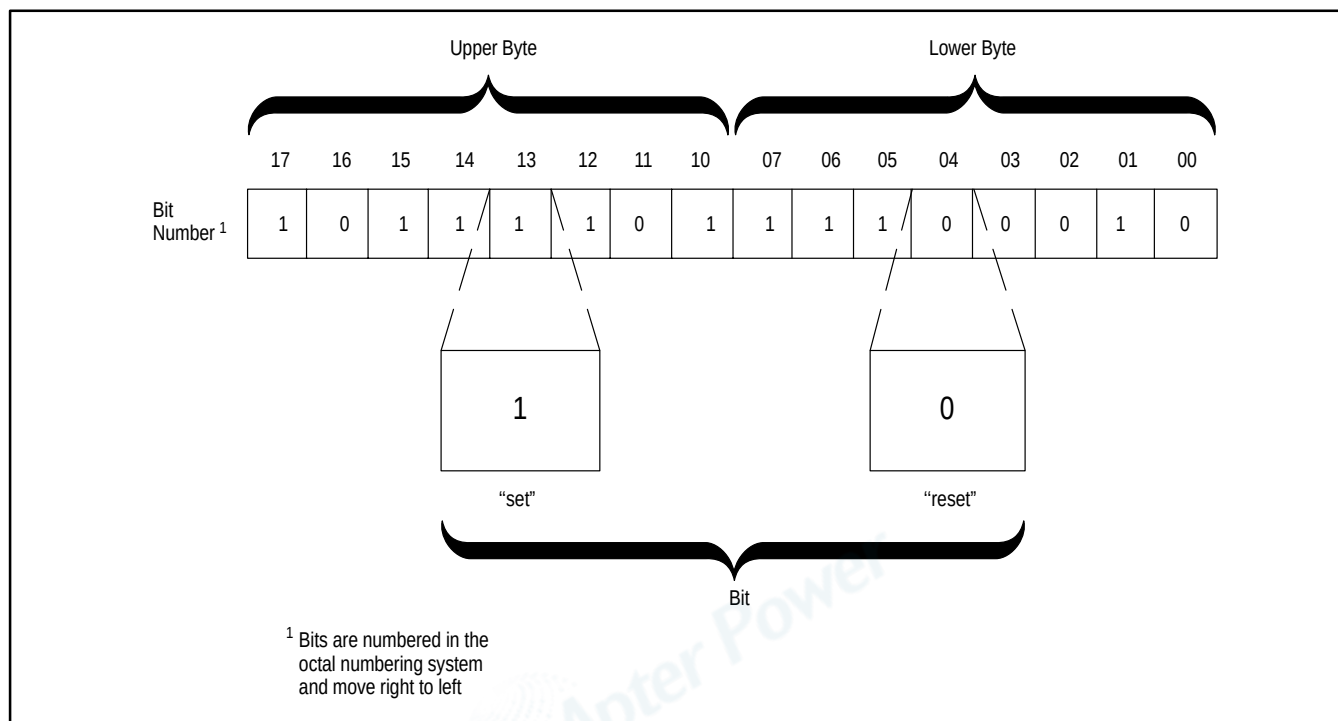


Figure 2.1
Structure of a Memory Word that Stores and Transmits Complete Units of Information



A group of eight bits forms a **byte**. A byte is defined as the smallest complete unit of information that can be transmitted to or from the processor at a given time.

A group of 6 bits makes up a **word**. A word can be thought of as being made up of two or four 8-bit bytes. The total number of words in the processor gives you the basis for the memory size, with 1K equal to 1,024 words.

The processor Chassis (cat. no 1775-A1, -A2, -A3) for PLC-3 family controllers must contain a memory module that contains the memory for the processor. Four memory modules are currently available:

Catalog Number	Contains
1775-ME4, -MS4	16K or 16,384 words
1775-ME8, -MS8	32K or 32,768 words
1775-MEA, -MSA	64K or 65,536 words
1775-MED	128K or 131,072 words