

Comments on the documentation:

1. Unsigned Character == a UTF8 character is represented as one or two bytes. They do not have a sign. Just call them UTF8. Also avoid the term Unicode. Unicode is the Microsoft term for UTF16.
2. Null for Data == Null has a different meaning in computing. Would "None" or "N/A" (Not Applicable) be clearer?
3. Null for length == It is clearer just to say 0.
4. Unsigned short == Unsigned short is a 16-bit (2 byte) number. If data being passed is a single byte, use byte. The starting year is the only unsigned short in this table.
5. "00" == "00" is being used to represent the null character. Using UTF8, it is a two-byte value of 0x20 0x20. What should be used is the null character 0x00.
6. Curious as to why the null character 0x00 is required. The Set packet contains the exact number of characters in the string. And, the null character is not included on Get requests.

Notes:

1. Gets or Sets the active Rule Number. Should this be in the Index section? It is being used to select the table, not change values in the table.
2. The substitution rule names can be changed. Warning: For version 1.07 of the printer software, this will cause the printer to quit responding
3. Substitutions for year are relative to this year. Warning: For version 1.07 of the printer software, only one byte is retrieved. It is the least significant byte of the year (0xE3). The year 2019 is 0x07E3.
4. There are two different methods of getting substitution values. I found the second one while looking thru the implementation. The old table describes the first method below. The new table describes the second method.
 - a. Use Item number from the Index function
To get all the values for a specific attribute, two commands are needed per item.
32 7A 01 66 01 == Set the Index/Item to 01
33 6C 01 68 == Retrieve the substitution data for month one
... Repeat for all 12 months
 - b. Embed Index/Item number in the reference
To get all the values for a specific attribute, one command is needed per item:
33 6C 01 68 01 == Retrieve the substitution data for month one
... Repeat for all 12 months. Note that the Index/Item value is not changed in the printer.