EZMarquee™ Choosing the Right Model

Marquee Size Selection & Viewing Distance
Different Sizes for Different Applications

How to Select the right EZMarquee for your application requirements

1. **Determine how many lines of data are required to be displayed all at once (1, 2 or 4 Lines Available)**

2. **Determine how many characters across are needed to be displayed all at once. (10, 20, or 40 characters across)**

3. **How far do you need to view the marquee message (100, 200, 300, or 400 ft away)? Note this will determine how many lines of data and characters can be displayed at one time depending on the marquee size selected.** *See Table 1 for size selection reference to the right.*

Determine the Communication Method from the PLC, Network, SCADA or PC to the EZMarquee. Options are
» **Serial (RS232/422/485) ASCII or Modbus RTU,**
» **Ethernet (AB Ethernet I/P, Modbus TCP/ IP, Generic TCP/IP),**
» **DeviceNet,**
» **Profibus**

Select the right marquee for the Application Environment:
» **Indoor Use Only (NEMA 12)**
» **Outdoor Use (NEMA 4/4X)**
» **Sunlight Readable LED Requirement**

How to select Part Numbers and Order ?

<div align="center">

EZMXX - XXXXX - X - XXX
    12   **3**   **4**   **5**

</div>

1. "R" for RED only
   "T" for TRICOLOR (RED, Green, Yellow)
2. "Blank" for Standard Brightness (1750 Nits)
   "H" for Highbright, Sunlight Readable (8000 Nits) (Note Available with Red Only LEDs)
3. Size of Display (# of lines, and Characters across)
   For Example (4L20C - 4 Lines of 20 Characters (2")
4. Communication Protocol:
   Blank - RS232 and RS422/485 Serial Only
   "E" - Ethernet & Serial Protocols
   "D" - DeviceNet
   "P" - Profibus
5. Type of enclosure (Environmental Rating)
   "Blank" for Aluminium Nema 12,
   "Out" for Aluminum Nema 4/4X Outdoor Enclosure

2" characters - readable from 100 feet
4" characters - readable from 200 feet
6" characters - readable from 300 feet
8" characters - readable from 400 feet
8" Narrow characters - readable from 400 feet

Display Capacity
(number of characters shown at one time)

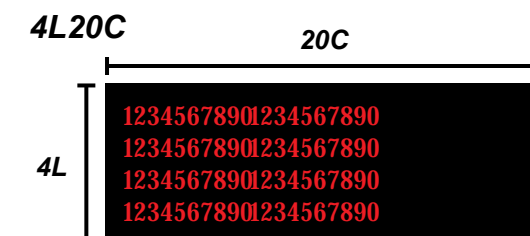| Unit	Char. Size	# of Characters per Line
1L10C	2"	1 line of 10
2L10C	2"	2 lines of 10
2L10C	4"	1 line of 5
1L20C	2"	1 line of 20
1L40C	2"	1 line of 40
2L20C	2"	2 lines of 20
2L20C	4"	1 line of 10
2L40C	2"	2 lines of 40
2L40C	4"	1 line of 20
4L20C	2"	4 lines of 20
4L20C	4"	2 lines of 10
4L20C	6"	1 line of 6
4L20C	8"	1 line of 5
4L20C	8"N	1 line of 10
4L40C	2"	4 lines of 40
4L40C	4"	2 lines of 20
4L40C	6"	1 line of 13
4L40C	8"	1 line of 10
4L40C	8" N	1 line of 20

Table 1 shows all standard sizes and maximum number of lines and characters for each character height supported.

You can display characters of different heights in the same line.

BIG AND BOLD
SEEN 400 FEET AWAY

How far do you need to communicate?

1L 20C

20C

1L   12345678901234567890
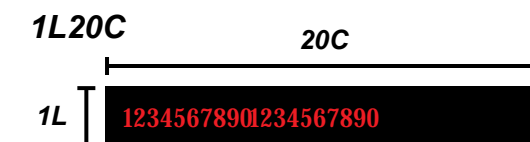
1L refers to one one line or "row" that equals 20 characters (each 2" high).

20C refers to 20 characters, all of which are 2" high.

4L 20C

20C

4L
12345678901234567890
12345678901234567890
12345678901234567890
12345678901234567890

EZAutomation's EZMarquee are available in several sizes. The smallest size is called the 1L10C as shown in the chart on the left. The other sizes are multiples of the smallest size, such as 1L20C (shown above) 2L40C (shown below), etc.

2L 40C

40C

2L
1234567890123456789012345678901234567890
1234567890123456789012345678901234567890