

ZS-6720D

BCD/HEX 7SEG Display

User's Manual

2nd ed.



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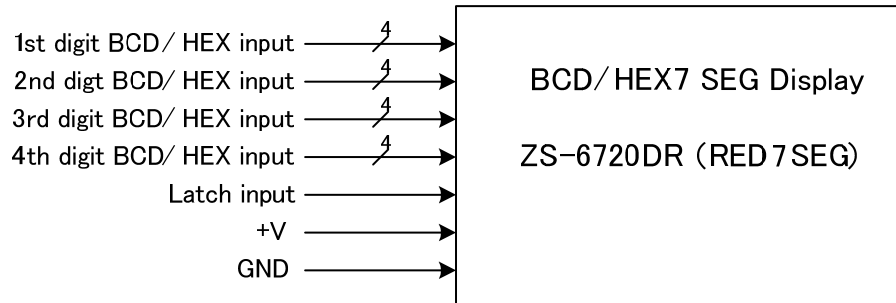
URL <https://www.zenisu.co.jp/>

1.Outline

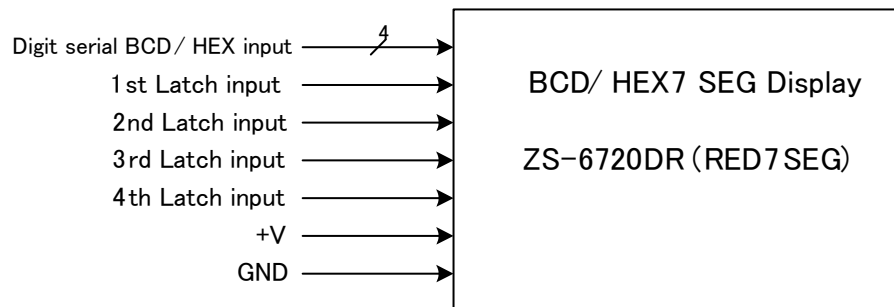
ZS-6720D is a 4-digit 7SEG display compatible with BCD or HEX input.

It is possible to be selected from two types of data input method that are 4-digit parallel input and digit serial input. Red is available as a color for display.

- 4-digit parallel input method.



- Digit serial input method



2.Feature

- The range of the power input is from +4V to +24V.
- The range of signal input voltage is from +3.3V to +24V.
- 4-digit parallel input / digit serial input is selectable.
- BCD/HEX input: positive / negative logic is selectable.
- Latch input: positive / negative logic is selectable.
- Decimal point position is possible to be set.

3.Specification

3.1. Power supply

- Power: DC+4V to DC+24V
- Current consumption: 20mA or less

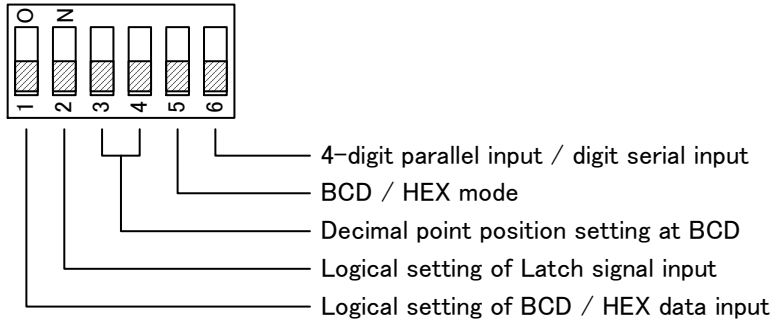
3.2. Input signal level

- Low level: 0.2V or less
- High level: DC+3.3V to DC+24V

3.3. Display character size

- Height: 10.16mm
- Width: 5.57mm

3.4. Internal DIP switch (SW1)

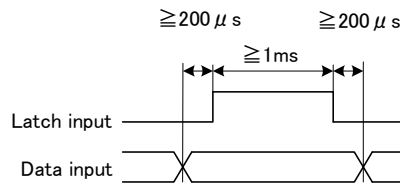
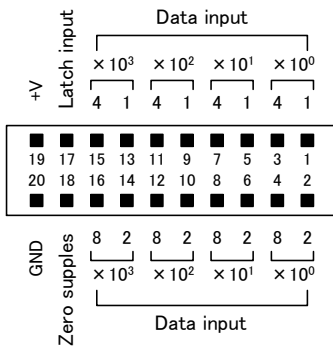


SW1	Function	ON	OFF
1	BCD / HEX input	Negative	Positive
2	Latch input	Negative	Positive
3	Decimal point position 0	See the table on the right	
4	Decimal point position 1		
5	BCD/HEX	BCD	HEX
6	Serial / Parallel	Digit serial	Parallel

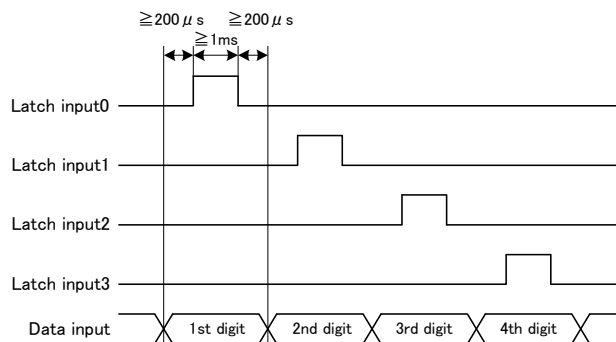
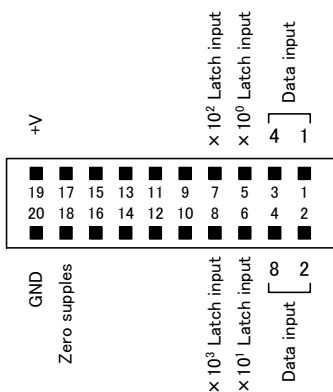
Decimal position 1	Decimal position 0	Position
ON	ON	XXX. X
ON	OFF	XX. XX
OFF	ON	X. XXX
OFF	OFF	None

3.5. Connector pin assignment and data input timing

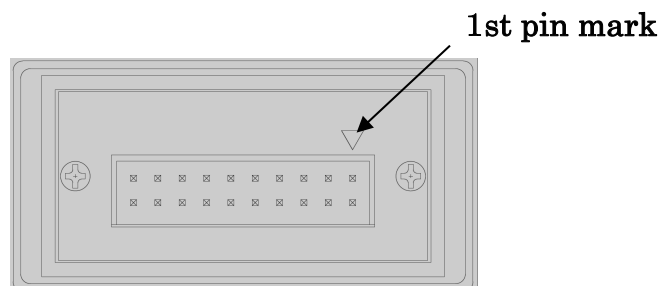
(1) Parallel input mode



(2) Digit serial input mode



(3) Connector pin

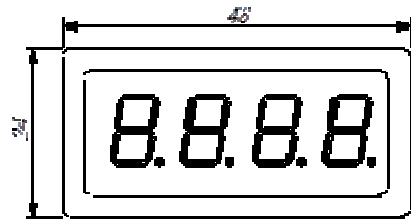


3.6. Display character

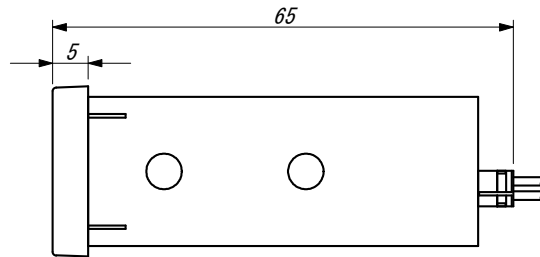
Data				Display	
8	4	2	1	BCD	HEX
0	0	0	0	0	0
0	0	0	1	1	1
0	0	1	0	2	2
0	0	1	1	3	3
0	1	0	0	4	4
0	1	0	1	5	5
0	1	1	0	6	6
0	1	1	1	7	7
1	0	0	0	8	8
1	0	0	1	9	9
1	0	1	0	-	A
1	0	1	1	BLANK	b
1	1	0	0	BLANK	c
1	1	0	1	BLANK	d
1	1	1	0	BLANK	e
1	1	1	1	BLANK	f

3.7. Size

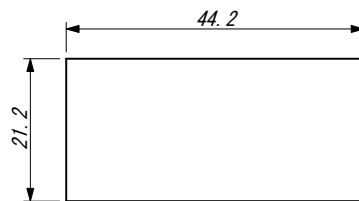
Front



Side



Panel cut hole



3.8. Appearance



4. Warranty

If it fails during normal use, we will repair it free of charge as described in this warranty as below.

- 1) During the warranty period which is one year from the date of purchase, we will repair it free of charge in case of malfunction in accordance with instruction manual.
- 2) It will be charged for extra in the following case, even during warranty period.
 - Incorrect usage or failure or damage caused by carelessness.
 - Failure or damage caused by improper repair or remodeling.
 - Failure or damage caused by external factors such as fire, earthquake, other natural disasters, abnormal voltage and so on.
 - Replacement of consumable parts.
 - Change of power supply and voltage.
- 3) This warranty provision is effective only in Japan