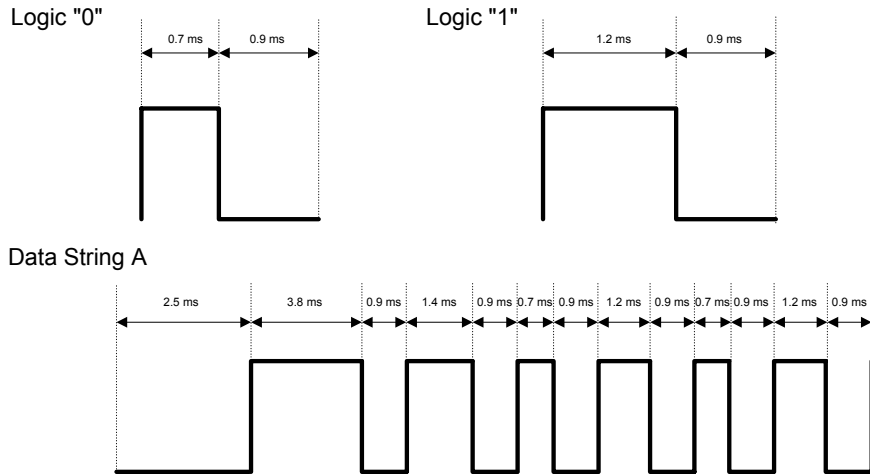
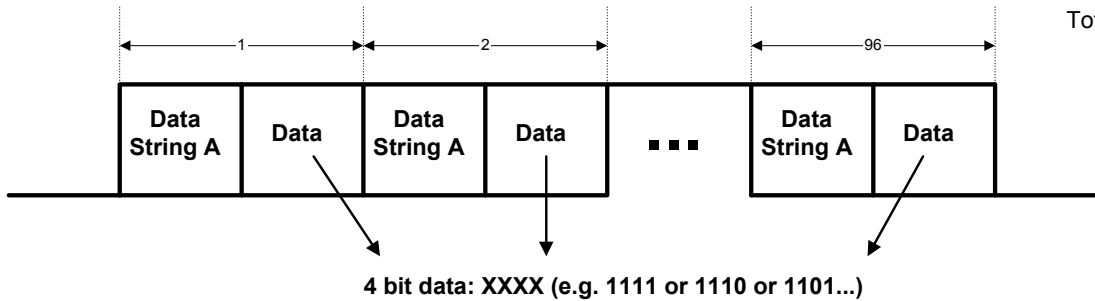


# Model No.: GE5806DWM



## Transmission Data String



**Total Data Transmission Time = 96 times ( Data String A + Data )**

**Max. Total Data Transmission Time**  
 = 96 x ( Data String A + " 1111" )  
 = 96 x ( 16.9 + 8.4 )  
 = 2.43 sec

Data String A:

$T_{on} = 9.0\text{ms}$   
 $T_{total} = 16.9\text{ms}$

Data: "1111"

$T_{on} = 4.8\text{ms}$   
 $T_{total} = 8.4\text{ms}$

Data: "1110", "1101", "1011" or "0111"

$T_{on} = 4.3\text{ms}$   
 $T_{total} = 7.9\text{ms}$

Data: "1100", "1001", "1010", "1001" ...

$T_{on} = 3.8\text{ms}$   
 $T_{total} = 7.4\text{ms}$

Data: "1000", "0010", "0001" or "0100"

$T_{on} = 3.3\text{ms}$   
 $T_{total} = 6.9\text{ms}$

Data: "0000"

$T_{on} = 2.8\text{ms}$   
 $T_{total} = 6.4\text{ms}$

**Total ON Time at 100ms:**

$$T_{on1} = (\text{Data String A} + \text{"1111"}) \times 4$$

$$= (9+4.8) \times 4 = 55.2\text{ms}$$

$$T_{on2} = (\text{Data String A} + \text{"1110"}) \times 4 + 0.8$$

$$= (9+4.3) \times 4 + 0.8 = 54\text{ms}$$

$$T_{on3} = (\text{Data String A} + \text{"1100"}) \times 4 + 2.8$$

$$= (9+3.8) \times 4 + 2.8 = 54\text{ms}$$

$$T_{on4} = (\text{Data String A} + \text{"1000"}) \times 4$$

$$= (9+3.3) \times 4 + 3.9 = 53.1\text{ms}$$

$$T_{on5} = (\text{Data String A} + \text{"0000"}) \times 4$$

$$= (9+2.8) \times 4 + 5.2 = 52.4\text{ms}$$

Worst Case Duty Cycle = 55.2 / 100 = 0.552

Average Factor = 20 x log (0.552) = -5.1dB