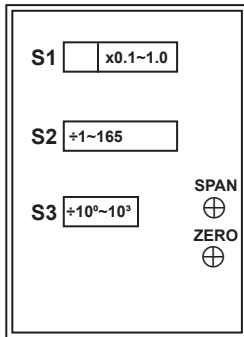


SetPro TA-TDF

1.FUNCTION SWITCHES(S1,S2,S3)



- S1→output frequency multiplier scale selection

P1-P2:don't care

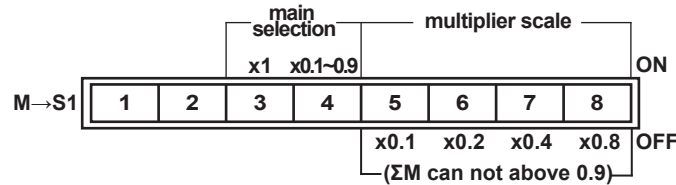
P3:ON=main selection output frequency multiplier scale 1.0

OFF=select pin 4 is ON (P3-P4 only one pin on)

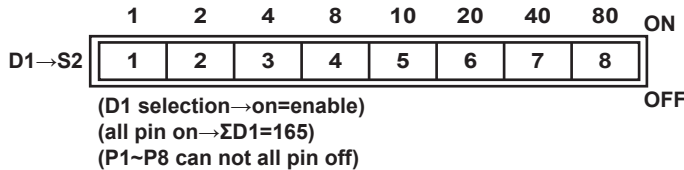
P4:ON=main selection output frequency multiplier scale 0.1 to 0.9

OFF=select pin 3 is ON (P3-P4 only one pin on)

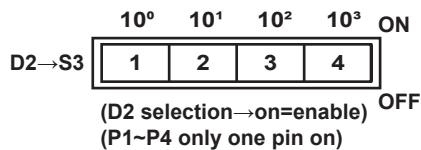
P5-P6-P7-P8:multiplicor scale 0.1 to 0.9 selection



- S2→output frequency divide scale(1~165) selection



- S3→output frequency divide scale(10⁰~10³) selection



2.OUTPUT FREQUENCY PROGRAMMABLE FORMULA

Fi=Output maximum frequency

Fo=Output needed frequency

$$F_o = (F_i \times M) / (D_1 \times D_2)$$

3.APPLICATION

- Example 1:TA-TDF-510B

Input range→DC0~10V

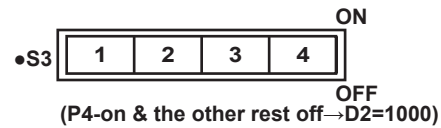
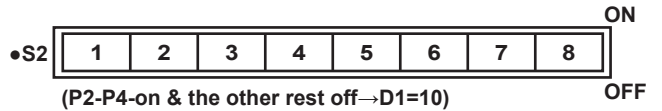
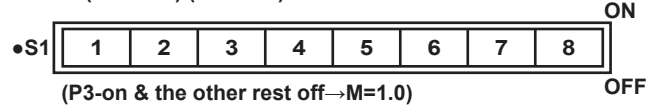
Output maxi. frequency→0~10KHz

Output needed frequency→0~1Hz

Output model→open-collector(<30V/40mA)

Aux.Power→AC/DC 90~260V

$$F_o = (10000 \times 1) / (10 \times 1000) = 1\text{Hz}$$



- Example 2:TA-TDF-62TA

Input range→DC4~20mA

Output max. frequency→0~100KHz

Output needed frequency→0~25KHz

Output model→5V(Voltage pulse <10mA)

Aux.Power→AC/DC 18~60V

$$F_o = (100000 \times 1) / (4 \times 1) = 25\text{KHz}$$

