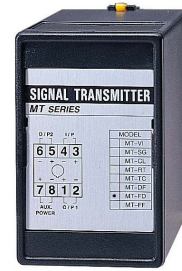


## FEATURE

- 10 popular Inputs and 4 popular Output Ranges Programmable by dip switches
- Modular Design, Easy Maintain and Save Stock;
- Changeable Output Module Between V/mA, Trip Relay with difference programming module
- Dual difference signal output available even for trip relay
- CE Approved



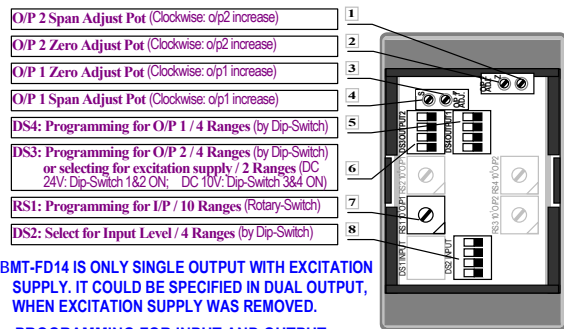
## SPECIFICATION

Input Range	Input Impedance	Output Range	Load Resistance
0 ~ 0.1 Hz	≥ 1M ohm	0 ~ 100 mV	≥ 100K ohm
0 ~ 1 Hz	≥ 1M ohm	0 ~ 1 V	≥ 50 ohm
0 ~ 10 Hz	≥ 1M ohm	0 ~ 5 V	≥ 250 ohm
0 ~ 20 Hz	≥ 1M ohm	0 ~ 10 V	≥ 500ohm
0 ~ 50 Hz	≥ 1M ohm	1 ~ 5 V	≥ 250 ohm
0 ~ 100 Hz	≥ 1M ohm	-10 ~ 0 ~ +10 V	≥ 1K ohm
0 ~ 200 Hz	≥ 1M ohm	0 ~ 1 mA	≤ 15K ohm
0 ~ 500 Hz	≥ 1M ohm	0 ~ 10 mA	≤ 1500 ohm
0 ~ 1K Hz	≥ 1M ohm	0 ~ 20 mA	≤ 750 ohm
0 ~ 2K Hz	≥ 1M ohm	4 ~ 20 mA	≤ 750 ohm
0 ~ 5K Hz	≥ 1M ohm		
0 ~ 10K Hz	≥ 1M ohm		
0 ~ 20K Hz	≥ 1M ohm		
0 ~ 50K Hz	≥ 1M ohm		
0 ~ 100K Hz	≥ 1M ohm		

- Accuracy: ±0.1% of F.S.
- Response time: ≤ 250 msec. Plus one pulse cycle
- Span adjustment: ≤ 10% of F.S.
- Zero adjustment: ≤ 5% of F.S.
- Input mode: Voltage pulse, Open collector, Mechanical contact (30 Hz maximum)
- Pulse width: 10 msec. minimum at < 20 Hz  
Duty ratio 20 ~ 80% at > 20 Hz
- Input level: 5Vp/12Vp/24Vp/220Vac selectable by dip-switch
- Output ripple: ≤ 0.1% of F.S.
- Excitation supply: DC 10V/24V, 40mA Changeable by dip switch  
AC 115 or 230V ±10%, 50/60 Hz
- Power Supply: Changeable by jumper inside  
Option: DC 12V, 24V, 48V ±10%, (Isolated)  
DC 5W, AC 6.5VA
- Power consumption: DC 5W, AC 6.5VA
- Option range: Ultra-low frequency: 0 ~ 0.1 Hz  
Ultra-high frequency: 0 ~ 50K/100K Hz  
AC 110V/5A, 220V/2A, Normal Open
- Relay contact: AC 110V/5A, 220V/2A, Normal Open
- Operating temperature: 0~60 °C
- Operating relative humidity: 20~95 %RH, non-condensing
- Temperature coefficient: ≤ 100 PPM/°C
- Storage temperature: -10~70 °C
- Isolation: Between Power / Input / Output1 / Output2
- Insulation resistance: ≥ 100M ohm at 500Vdc
- Surge test: 4 KV, 1.2 x 50 μ sec.  
Common mode & differential mode

- Dielectric Strength: AC 2.0 KV for 1 min  
Between Power / Input / Output / Case
- Standard: Comply with EN50081-1, EN50082-2
- Dimensions: 50mm(W) x 87mm(H) x 123mm(D)-with socket
- Mounting: Surface and DIN rail 35mm wide
- Weight: 500g

## ADJUSTMENT

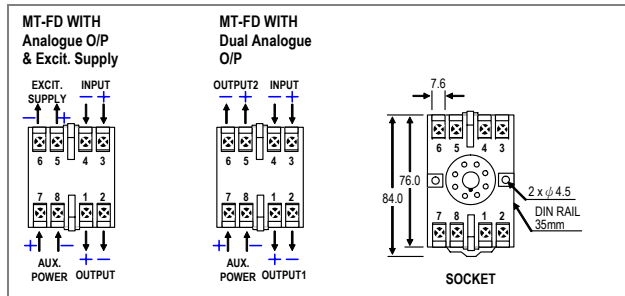


LBMT-FD14 IS ONLY SINGLE OUTPUT WITH EXCITATION SUPPLY. IT COULD BE SPECIFIED IN DUAL OUTPUT, WHEN EXCITATION SUPPLY WAS REMOVED.

### PROGRAMMING FOR INPUT AND OUTPUT:

INPUT RANGE		INPUT LEVEL	OUTPUT SIGNAL	O/P1 DS4 (5)	O/P2 DS3 (6)
J1 Close	J1 Open	RS1 (7)	DS2 (8)		
0 ~ 1 Hz	0 ~ 10 Hz	0	5 Vp	ON	ON
0 ~ 2 Hz	0 ~ 20 Hz	1	12 Vp	ON	ON
0 ~ 5 Hz	0 ~ 50 Hz	2	24 Vp	ON	ON
0 ~ 10 Hz	0 ~ 100 Hz	3	220 Vac	ON	ON
0 ~ 20 Hz	0 ~ 200 Hz	4			
0 ~ 50 Hz	0 ~ 500 Hz	5			
0 ~ 100 Hz	0 ~ 1K Hz	6			
0 ~ 200 Hz	0 ~ 2K Hz	7			
0 ~ 500 Hz	0 ~ 5K Hz	8			
0 ~ 1K Hz	0 ~ 10K Hz	9			

## CONNECTION DIAGRAM & SOCKET (8 PIN)



## ORDER INFORMATION

**Remark:** When you select coding P0, P1 or P for input and output range, please specify initial range.  
After change input or output range by rotary or dip switches (R-S or D-S), re-calibration is to be requested.

