



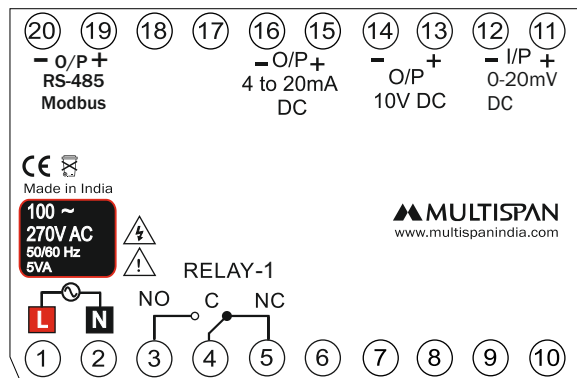
Technical Specification

Model	LD 1252A-M1
Display	Upper : 5 digit, 7 seg 0.56" RED LED Lower : 5 digit, 7 seg 0.56" WHITE LED
Size(mm)	96(H)X96(W)X54(D)mm
Panel Cutout	92X92mm
Input	0 to 20mV DC
Output	1R1C/O & 10V DC Excitation Voltage + 4 to 20 Retransmission + RS-485 Modbus
Power Supply	100-270VAC(SMPS)
Protection Level	IP-65 (Front side) As per IS/IEC 60529 : 2001
Operating Temperature	0°C To 55°C
Relative Humidity	Up to 95% RH Non Condition

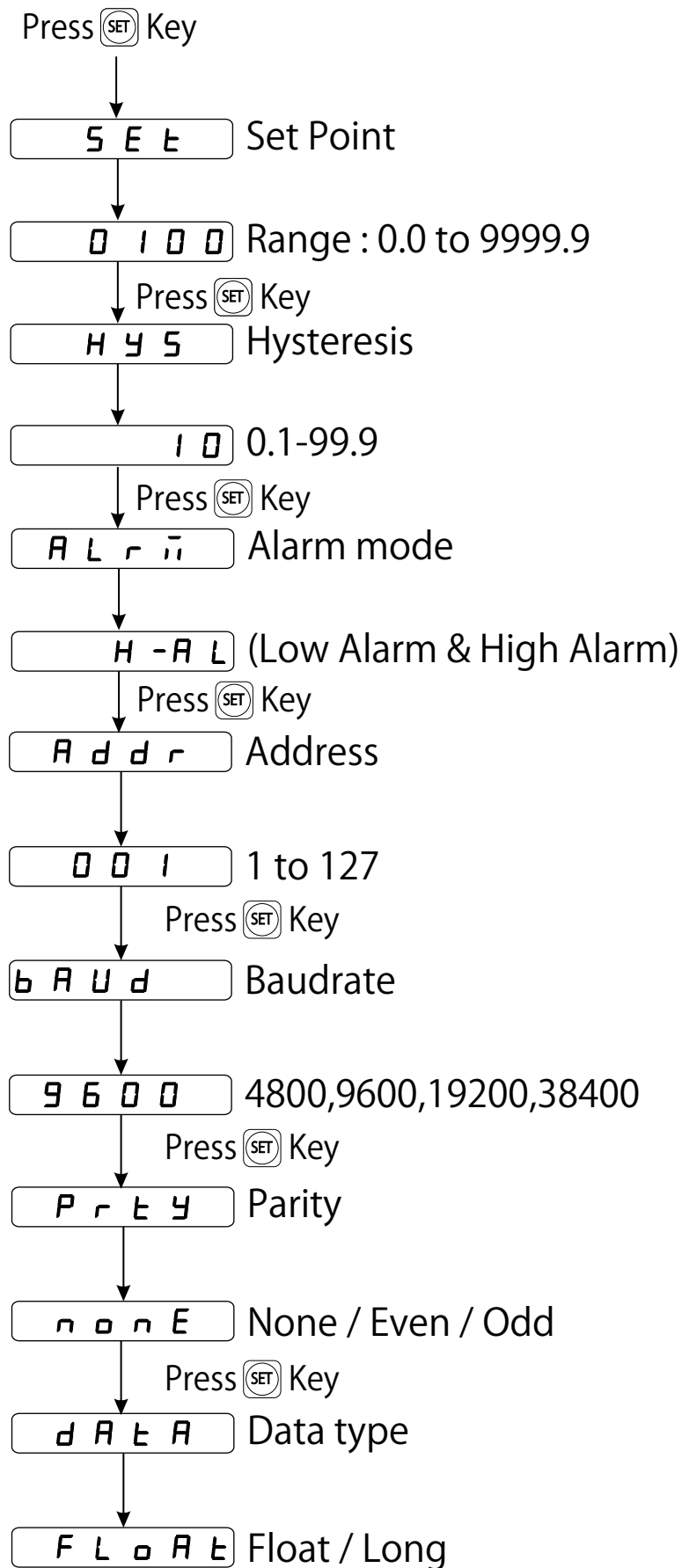
Calibration Method

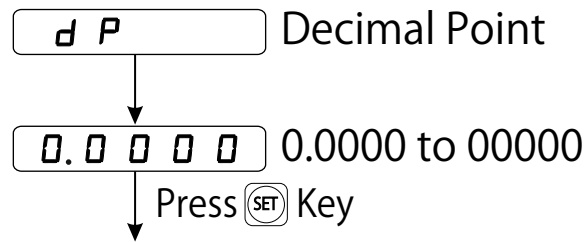
- 1) Suppose, you have 5Kg load on the cell. You can set the 5 Ckg (Calibration Kg) parameter on the load cell.
- 2) Press **SET** Key, display will indicate message for HCAL (Higher Calibration).
- 3) Now remove the load, press **SET** key, display will indicate for LCAL (Lower Calibration).

Connection Diagram



Basic Configuration





Select decimal point as per requirement as shown as follow.

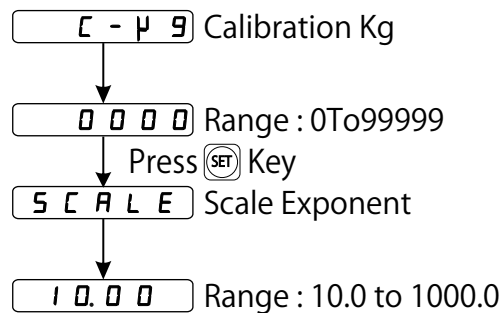
For ex.1kg load

Decimal sele. type →

Decimal sele. type →

↓ Press (SET) Key

Customer have to put minimum 20% to 25% load of Load cell value. Put load on load cell & enter the value of load in Ckg parameter.



Next parameter is H-CAL some counter is display as per load. Wait for sometime until count become stable on display. Press set key for 3Sec for next parameter.

Press (SET) Key 3Sec TO CAL


COUNT

Next parameter is L-CAL. Remove load from the load cell & wait for sometime until count become stable on display. Press set key to save the values. Please power off instrument & power on again to save all parameters

Press (SET) Key TO LOW CAL

Press (ENT) Key to save & exit

Working

1. Do all connection as shows in connection diagram and turn on the instrument.
2. Display shows current process weight in kg as per range and decimal point selection.
3. 10VDC Excitation Voltage O/P is also provided at back terminal to drive load cell.
4. To TARE the weight press  Key for 2 Sec.

Modbus

MODBUS

Slave Address :	1 to 127
Baudrate :	4800,9600,19200,38400bps
Parity :	None,Even,Odd
Datatype :	Sign integer, Float
Frame Delay	0 to 99

Sr.No	Access Type	Parameter	Register	
			Data Type	
			long	Float
1	R	Process Value	0	
2	R	R1 Status	2	
		Selection	Value	
		On	1	
Off	0			
3	R	R2 Status	4	
		Selection	Value	
		On	1	
Off	0			
4	R/W	Set 1	6	
5	R/W	Set 2	8	
6	R/W	Hysteresis 1	10	
7	R/W	Hysteresis 2	12	
8	R/W	Alarm Mode 1	14	
		Selection	Value	
		High Alarm	0	
Low Alarm	1			
9	R/W	Alarm Mode 2	16	
		Selection	Value	
		High Alarm	0	
Low Alarm	1			
10	R/W	Decimal Point	18	
11	R/W	Ckg	20	
12	R/W	Scale	22	
13	R/W	RT Low	24	
14	R/W	RT High	26	
15	R/W	Address	28	
16	R/W	Baudrate	30	
		Selection	Value	
		B 4800	0	
		B 9600	1	
		B 19200	2	
B 38400	3			
17	R/W	Parity	32	
		Selection	Value	
		None	0	
		Even	1	
Odd	2			
18	R/W	Data Type	34	
		Selection	Value	
		Long	0	
Float	1			
19	R/W	Tare Facility	36	

Note : Write 1 value to tare reg. To tare the device.