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**Ambient Temperature Transducer Operation and Installation Manual (4-20 mA)
Model – MBMet-902BW**

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1. Ambient Temperature Transducer – Parts:

Ambient Temperature Transducer 4-20mA is shipped with the following parts

- | | |
|-------------------------------------|--|
| i) PT100 to 4-20mA Transducer JB | - 1 No |
| ii) Cable | - As per customer requirement (Please try to avoid joining of cable at site for extension) |
| iii) Transducer JB mounting bracket | - 2 Nos. |
| iv) Transducer JB mounting screw | - 2 Nos. |



Fig .1.1 – Ambient Temperature Transducer

2. Installation of Ambient Temperature Transducer:

- i) Mounting the Ambient Temperature Transducer unit suitable place in indoor for better Ambient Temperature measurement result.



Fig .2.1 – Mounting of the enclosure

- ii) Mounting the Ambient Temperature Transducer unit Mounting hole shown in Fig .2.2, hole size 4mm.

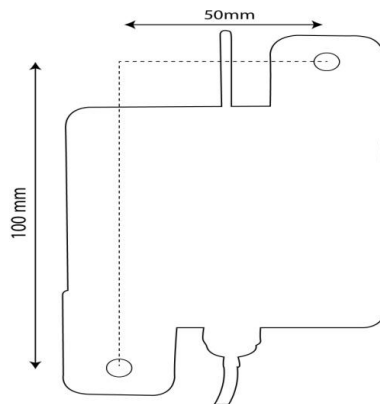


Fig .2.2 – Mounting hole of the enclosure

3. Connection of Ambient Temperature Transducer:

The termination of the ambient temperature transducer will be as follows.

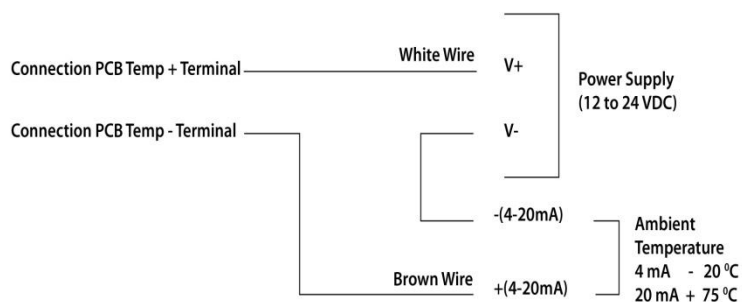


Fig .3.1 – Termination Diagram

4. Ambient Temperature Transducer Specifications:

SI No	Parameter	Specifications
01	Measurement Range	-20° to +75°C
02	Temperature Accuracy	±0.1°C
03	Temperature Stability	<0.02°C per year
04	Sensor Element Type	RTD Class A
05	Sensor Transmitter Housing	Polycarbonate, IP-67
06	Sensor Transmitter Output	4 to 20mA
07	Power supply	Self-loop powered (12 to 24 VDC)
08	Operating Atmospheric Temperature	-10°C to +70°C
09	Sensor Standard	Meets IEC-61724-1 (2017-03) Class A

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