

RTD ASSEMBLY WITH FIXED / ADJUSTABLE & N-U-N CONNECTION

MODEL CODE : ER02

- Reference standard :- IEC - 751 / DIN 43760.

SPECIAL FEATURES

- Mineral Insulated cable.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Enclosures (Head)
 - Weatherproof IP - 67
 - Flameproof Gr. IIA, IIB
 - Explosion proof IIA, IIB, IIC
- Transmitter output 4 - 20 mA (Optional)

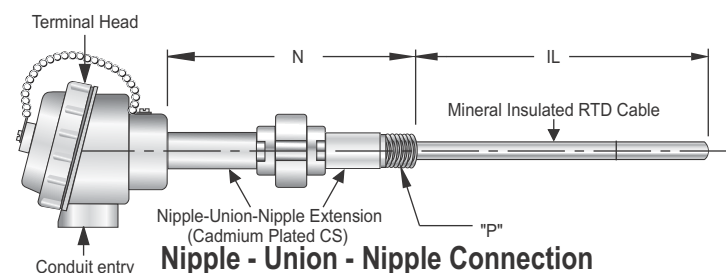
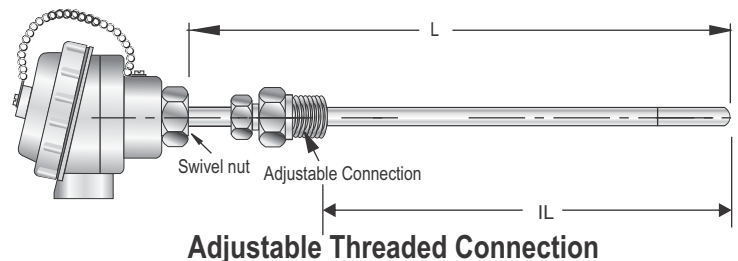
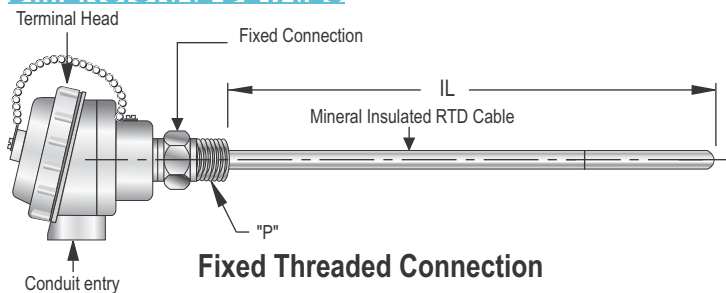
APPLICATIONS

- Such design is generally used in all industries, machinery manufactures, bearing temp. measurement etc. where space is limited.

STANDARD PRODUCT DETAILS

No of element	- Simplex
Element type	- Pt - 100
Range	- -200°C till 450°C
Accuracy	- Class 'B' Tolerance as per IEC - 751 / DIN 43760
Wire Configuration	- 3 Wire System
Sheath Diameter	- 6.0 mm
Sheath Material	- SS 316
Terminal Head Type	- Screwed type, weatherproof, IP-65 in Die Cast Aluminum
No. Of Conduit Entry	- One
Cable Gland	- 3/4" ET, Nickel plated brass, Single Compression
Head Extension Type	- Fixed Threaded Connection
Immersion Length "IL" mm	- 150 mm.
Process conn. "P"	- 1/2" BSP (M), SS 316
Tag Plate	- Aluminum Tag Plate

DIMENSIONAL DETAILS



Notes : • Drawings are not to scale. • All Dimensions are in mm.

RTD

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HOW TO ORDER

BASIC MODEL

Optional Extras

(Select if you required options other than standard product details)

No of Element

2	Duplex (Above sheath dia. 5 mm)
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Element

P2	Pt- 500
P3	Pt - 1000
P4	Cu - 53

Range

C	-200°C till 600°C
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Accuracy

A	Class 'A' Tolerance as per IEC - 751 / DIN 43760
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Wire Configuration

2	2 Wire System
4	4 Wire System

Sheath Diameter

3	3.0 mm
8	8.0 mm
Others, Please specify.	

Terminal Head Type

F	Screwed type, Flameproof Gr. IIA IIB in die-cast Aluminum
E	Screwed type, Explosion proof Gr. IIC in die-cast Aluminum
H	Hinged type, Weatherproof, IP-65 in die-cast Aluminum
B	Weatherproof Head, IP-65 in die-cast Aluminum with cover
3	Terminal Head in SS 304 - WP, IP-67
4	Terminal Head in SS 316 - WP, IP-67
5	Terminal Head in Cast Iron, IP-65

No. Of Conduit Entry / Entries

2	Two
Other, Please Specify	

Cable Gland

B	1/2" NPT (F)
C	3/4" NPT (F)
Other, Please Specify	

Head Extension Type

X	Head Without Threaded Connection
E	Head With Nipple Extension
U	Head With Nipple Union Extension
N	Head With Nipple Union Nipple Extension

Example

ER02

Immersion Length / Element Length

IL OR L - Specify in mm.

Process Conn. "P"

4NM	1/2"NPT (M)
4NF	1/2"NPT (F)
4BF	1/2"BSP (F)
5NM	3/4" NPT (M)
5NF	3/4" NPT (F)
5BM	3/4" BSP (M)
5BF	3/4" BSP (F)

Other options

13	Head Mounted Transmitter (4-20 mA)
14	SS base plate suitable for Temperature Transmitter Mounting
21	Plug for conduit entry in Carbon Steel
22	Plug for conduit entry in SS 304
23	Plug for conduit entry in SS 316
32	S. C. cable gland in Nickel plated Brass - WP
33	D. C. cable gland in Nickel plated Brass - WP
34	S. C. cable gland in SS 304 - WP
35	D. C. cable gland in SS 304 - WP
36	S. C. cable gland in SS 316 - WP
37	D. C. cable gland in SS 316 - WP
38	S. C. cable gland in Nickel plated Brass - FLP
39	D. C. cable gland in Nickel plated Brass - FLP
40	S. C. cable gland in SS 304 - FLP
41	D. C. cable gland in SS 304 - FLP
42	S. C. cable gland in SS 316 - FLP
43	D. C. cable gland in SS 316 - FLP
EC	Head with Nipple extension 50 mm in CS
E4	Head with Nipple extension 50 mm in SS 304
E6	Head with Nipple extension 50 mm in SS 316
UC	Head with Nipple extension 100 mm in CS
U4	Head with Nipple extension 100 mm in SS 304
U6	Head with Nipple extension 100 mm in SS 316
NC	Head with Nipple extension 150 mm in CS
N4	Head with Nipple extension 150 mm in SS 304
N6	Head with Nipple extension 150 mm in SS 316
AC	Adjustable Threaded Connection
PW	Calibration Certificate
SX	SS Tag Plate

Note :

- When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .
- Explanations of Abbreviations used:
 - SC = Single Compression
 - DC = Double Compression
 - SS = Stainless Steel
 - WP = Weatherproof
 - FLP = Flameproof

Ordering Example:

ER02 - X - - XX - X - X - X - X - X - X - X - X - 150mm - 4NM - SX

For parameters & specifications other than the above, refer to our nearest sale office.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.

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