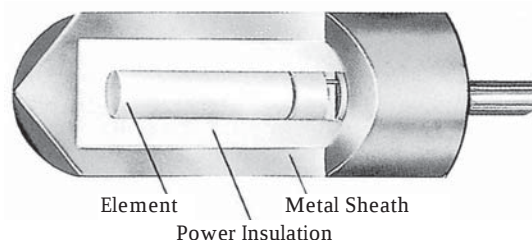


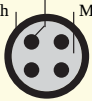
Sheathed Resistance Temperature Detector (MODEL : DSR)

What is Sheathed Type RTD

Sheathed Type RTD is a registered trad name of DAEHAN's metal sheathed RTD that has a monolithic structure comprising of element and MI cable (MgO compacted, metal sheathed lead wires). This newly developed RTD has very quick response longer service life and high accuracy under critical conditions.



Sheathed Leads

	Sheath O.D. (mm)	Conductor Dia. (mm)	Leads Resistance (Ω /m at 20°C)	Sheath Wall (mm)	Sheath Material	Max Length (m)
	3.2	0.45	0.627	0.48	316 SS	150
	4.8	0.70	0.248	0.73	316 SS	60
	6.4	0.93	0.15	1.02	316 SS	30
	8.0	1.14	0.099	1.27	316 SS	15
	4.8	0.38	0.881	0.457	316 SS	60
	6.4	0.48	0.55	0.63	316 SS	30
	8.0	0.63	0.31	0.78	316 SS	15

Response Time

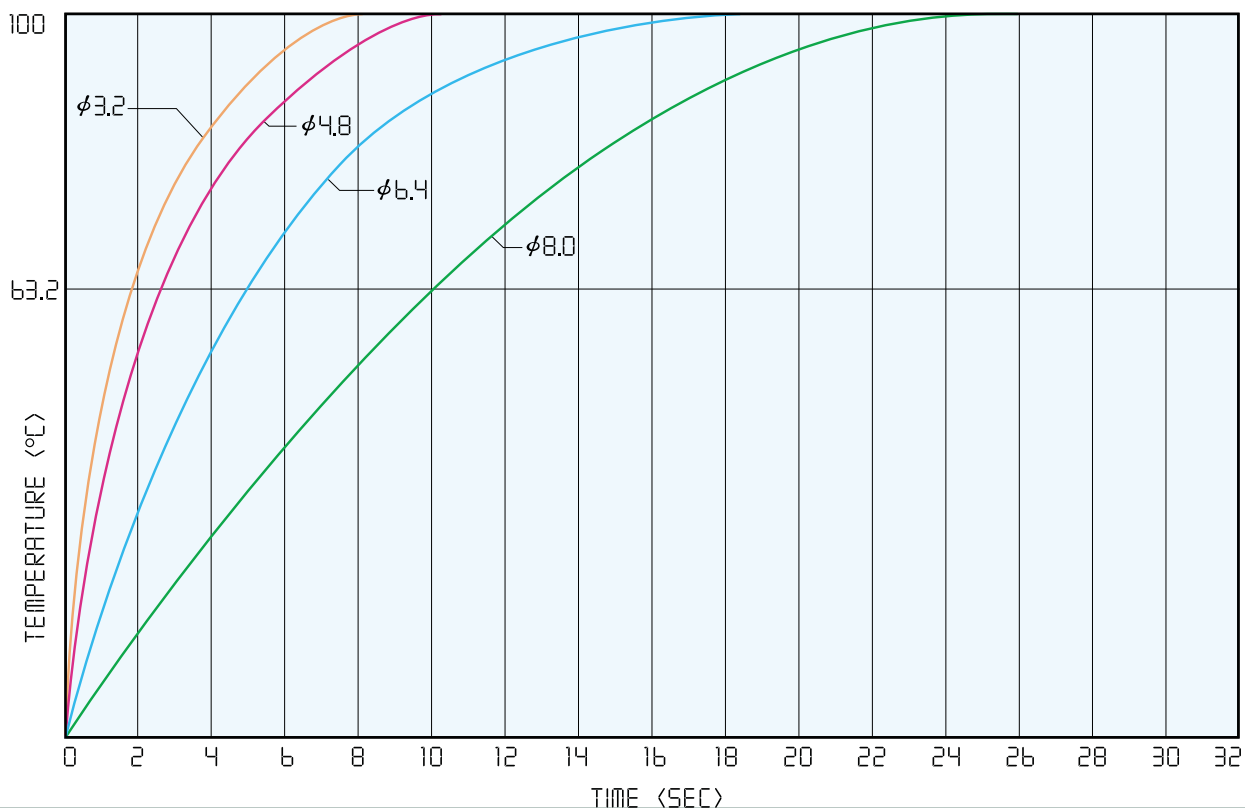
The "t" Constants (63.2%) when Element is immersed into 100°C (boiling water) from 0°C (ice bath)

φ 3.2 Less than 2 sec.

φ 4.8 Less than 3 sec.

φ 6.4 Less than 5 sec.

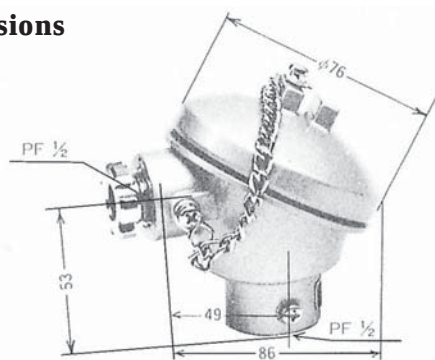
φ 8.0 Less than 10 sec.



Weather Proof SN

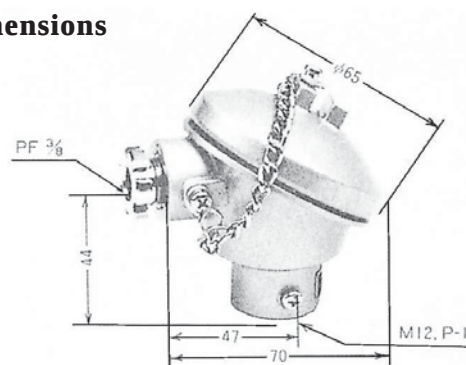
Type	Weather Proof SN
Material	Al-alloy diecast, Cast Iron
Conduit Dia.	PF 1/2 • PF 3/4
No. of Terminal	2 • 3 • 4 • 6
Terminal Block	Bakelite, Ceramic
Surface Finish	Melamine baked
Surface Color	Metallic silver

Dimensions



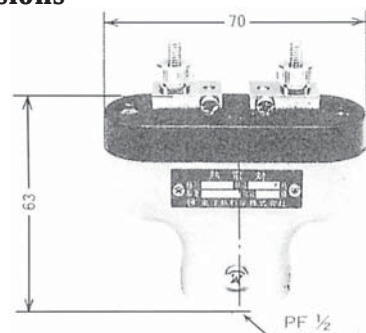
Type	Weather Proof SS
Material	Al-alloy diecast, Phenol Resin
Conduit Dia.	PF 3/8
No. of Terminal	2 • 3
Terminal Block	Bakelite, Ceramic
Surface Finish	Melamine baked
Surface Color	Metallic silver

Dimensions



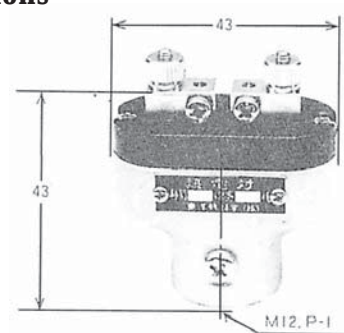
Type	Wall Mount SW
Material	Al-alloy diecast
Conduit Dia.	PF 1/2 • PF 3/4
No. of Terminal	2 • 3 • 4 • 6
Terminal Block	Bakelite, Ceramic
Surface Finish	Melamine baked
Surface Color	Metallic silver

Dimensions



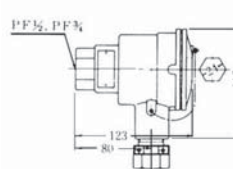
Type	Exposed Terminal SL
Material	Al-alloy diecast
Conduit Dia.	-
No. of Terminal	2
Terminal Block	Bakelite, Ceramic
Surface Finish	Melamine baked
Surface Color	Metallic silver

Dimensions

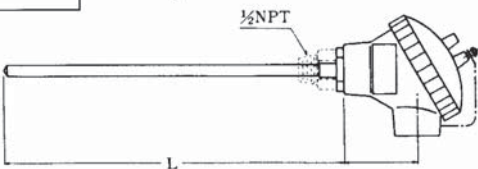
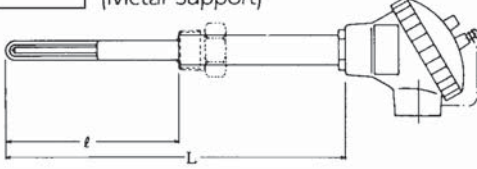
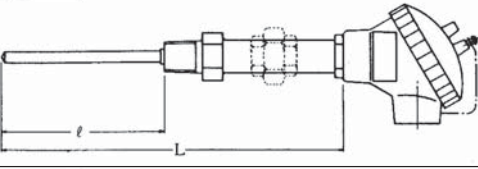
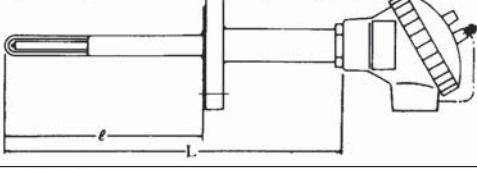
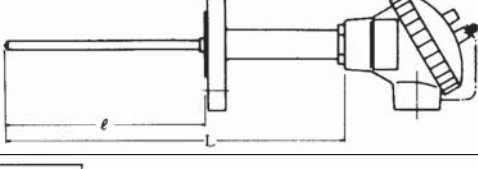
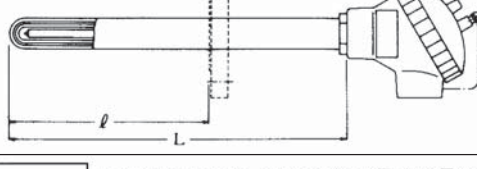
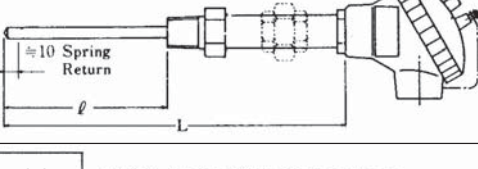
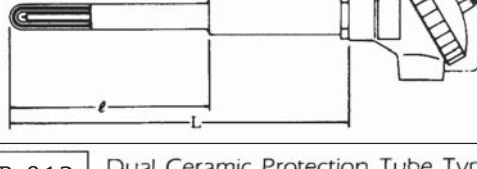
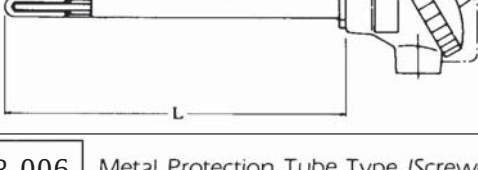
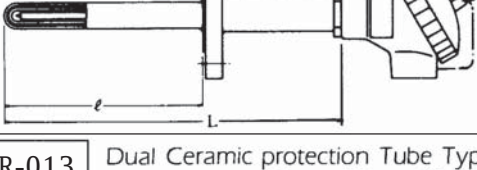
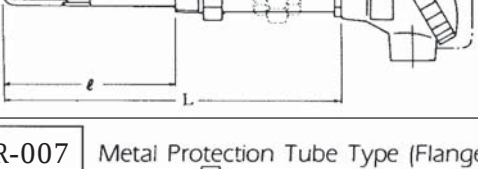
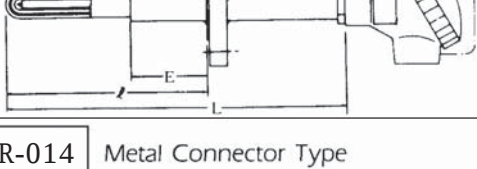
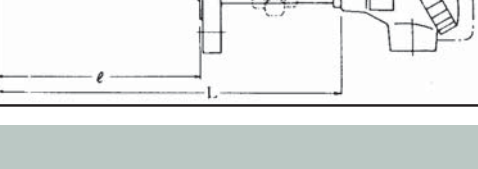


Type	*Flame Proof KG (d2 G4)
Material	Al-alloy diecast, Cast Iron Stainless Steel
Conduit Dia.	M16 • 20 • 25 • PF 1/2 • PF 3/4
No. of Terminal	2 • 3 • 4 • 6
Terminal Block	Bakelite (Ceramic)
Surface Finish	Melamine baked
Surface Color	Metallic silver

Dimensions



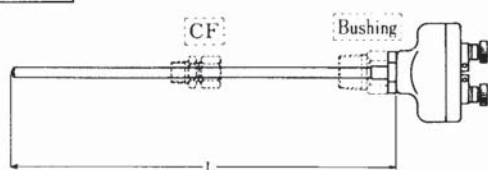
¥ 4 U B O E B B E F M T

DSR-001 Basic Type with Terminal Box 	DSR-008 Ceramic Protection Tube Type (Metal Support) 
DSR-002 Screwed Type 	DSR-009 Ceramic Protection Tube Type (Flanged) 
DSR-003 Flanged Type 	DSR-010 Dual Protection Tube Type (Inner: Ceramic, Outer: Metal) 
DSR-004 Spring-Loaded Type (Screwed) 	DSR-011 Dual Ceramic protection Tube Type (Metal Support) 
DSR-005 Metal Protection Tube Type 	DSR-012 Dual Ceramic Protection Tube Type (Flanged Type I) 
DSR-006 Metal Protection Tube Type (Screwed) 	DSR-013 Dual Ceramic protection Tube Type (Flanged Type II) 
DSR-007 Metal Protection Tube Type (Flanged) 	DSR-014 Metal Connector Type 

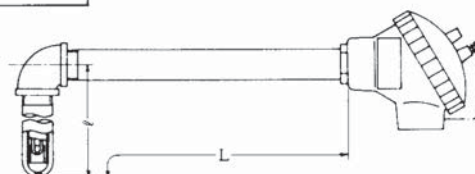
4) & " 5 3) & 4 %* 45 5" & \$ £ & 3" £ 6 £

¥ 4 U B O E B B E F M T

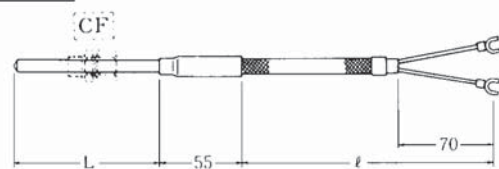
DSR-015 Exposed Terminal Type



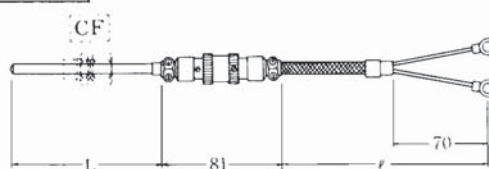
DSR-018 L Type Assembly



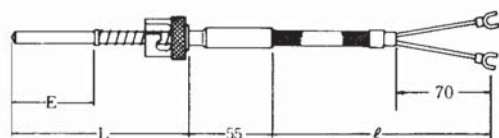
DSR-016 Flexible Lead Type



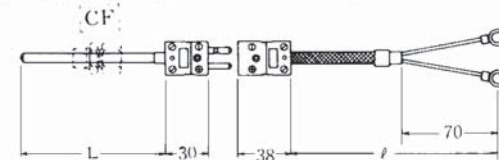
DSR-019 Metal Connector type



DSR-017 Bayonet spring Load Type



DSR-020 Quick Connector Type
(Compensated Contact pins)



4) & " 5 3) & 4 %* 45 5" & / \$ 1 & & 3 % 5 6 3



₩ 4 I F BU BFT E TU BFO NDQFF SB OS VFS FOG HP S N

MODELS	SUFFIX CODES	DESCRIPTION
Sheathed RTD	DSR-001~020-----	형태를 참고하여 선정
Element	100S(D)-----	PT100 OHM 3-Wire 100S : PT100 OHM Single 100D : PT100 OHM Double
	1000S(D)-----	PT1000 OHM 3-Wire
	OP-----	Option
Sheath Material	4S(4L)-----	304SS(304L SS)
	6S(6L)-----	316SS(316L SS)
	I6 -----	Inconel600
	P4 -----	446SS
	Z1 -----	321SS
	OP-----	Option(재질 직접 표기)
Sheath Diameter	A-----	1.6mm
	B-----	2.3mm
	C-----	3.2mm
	D-----	4.8mm
	E-----	6.4mm
	F-----	8.0mm
	G-----	12.7mm
	OP -----	Option(직경 직접 표기)
Length(L/I)	□□□-----	길이 직접표기(단위mm)
Mounting Connection	05-----	PT1/8 NPT의 경우 N05
	08-----	PT1/4 NPT의 경우 N08
	10-----	PT3/8 NPT의 경우 N10
	15-----	PT1/2 NPT의 경우 N15
	20-----	PT3/4 NPT의 경우 N20
	25-----	PT1 NPT의 경우 N20
	1025-----	10K 25A Flange
	1040-----	10K 40A Flange
	1050-----	10K 50A Flange
	OP-----	Option(Connection 직접 표기)
Enclosure	W-----	Weather Proof
	E-----	Explosion Proof
Conduit Connection	1-----	PF1/2
	2-----	PF3/4
	OP-----	Option(Connection 직접 표기)
Option		/□□□