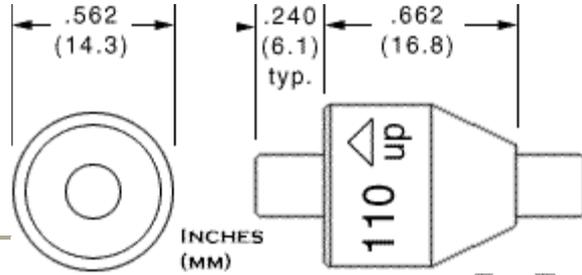




Model 110-T
One Conductor,
10 Amp
Model 105
One Conductor,
4 Amp



Mounts at the end of a rotating axis.
Mount by the press fit receptacle accessory.
Wires attach using the accessory receptacle and cap.

Model No.	Terminals	Voltage AC/DC	Amp Rating @240VAC	Max. Freq. MHz	Contact Resistance	Max. RPM	Temp Max. F (C) / Min. F (C)	Rotation Torque (gm-cm)	Circuit Separation
110-T	1	N/A	10	200	<1m Ω	3600	140 (60) /- 20(-29)	35	N/A
110-TS	1	N/A	10	200	<1m Ω	3600	140 (60) /- 20(-29)	35	N/A
110-TL	1	N/A	10	200	<1m Ω	1200	140 (60) /- 20(-29)	10	N/A
105 *	1	N/A	4	200	<1m Ω	7500	212 (100) /45(7)	<10	N/A
105-SS *	1	N/A	4	200	<1m Ω	7500	212 (100) /45(7)	<10	N/A

"T" designator indicates standard model

"TS" designator indicates stainless steel ball bearing (recommended for wet or corrosive environments)

"TL" designator indicates low torque

"SS" designator indicates stainless steel ball bearing (recommended for wet or corrosive environments)

* indicates high temp, high RPM

Note: The anodized aluminum housing of the 110 & 105series Mercotac is electrically "hot" to the internal conductor.

110-T & 105 Accessories



5920
one contact receptacle



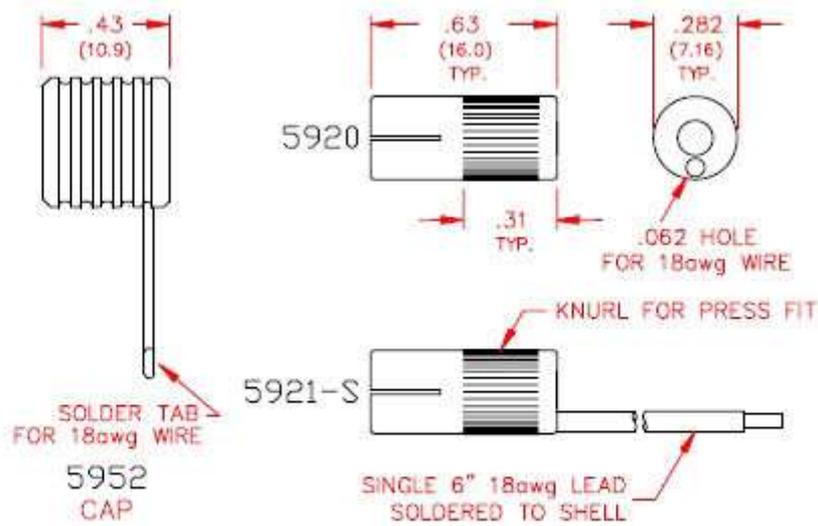
5921-S
one contact receptacle
w/ 6" wire



5952
one contact cap
w/solder lug

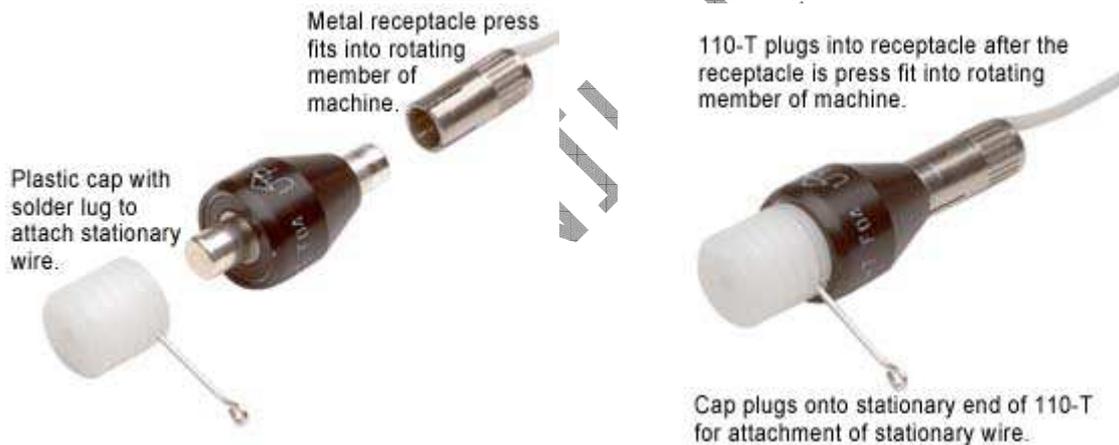
Receptacle used for mounting to rotating device.

Accessories are required for wire connections. Order Separately.



SINGLE CONDUCTOR ACCESSORIES

▼ 110-T & 105 Connections

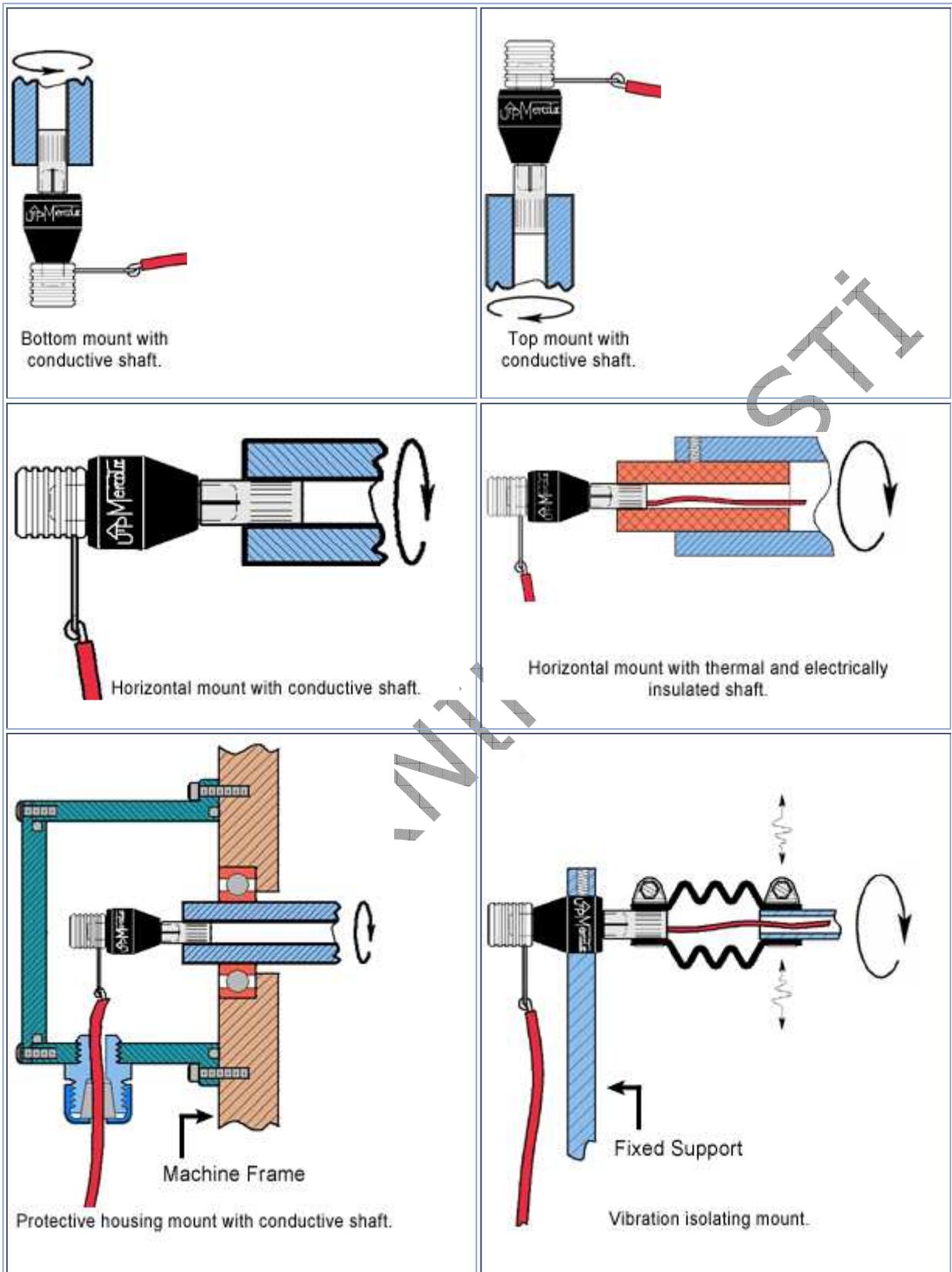


Note: The metal receptacle used for mounting is electrically conductive. Therefore, if desired, it can be used as the electrical connection between the 110 and the rotating member of the machine using Part #5920. However, if an insulated mounting at the rotating member is being used, then Part #5921-S with six inch wire lead is used for the electrical connection.

▼ 110-T & 105 Suggested Mounting Methods

Model 110-T is typically mounted by the knurled metal receptacle, which is press-fit into the rotating member of the machine. When mounting horizontally, mount the Mercotac so the body of the connector rotates.

Receptacle Mount Hole Dimensions		
MODEL	HOLE DIAMETER (Ø) *	DEPTH
5920, 5921-S	.283" (7.19)	.35" (8.89)
*Inch (mm) Tolerance	+.001" (+.025)	
Ø	-.000" (-.000)	



Installation Notes:

- the up arrow should not point below horizontal
- do not solder to or bend connector tabs

- avoid lateral forces and mechanical loads (overly stiff or tight wires)
- do not rigid mount both ends of connector
- limit mounting eccentricity (runout / wobble) to .005" (.13mm)
- provide overload protection within the circuit
- avoid vibration and bumping motions



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