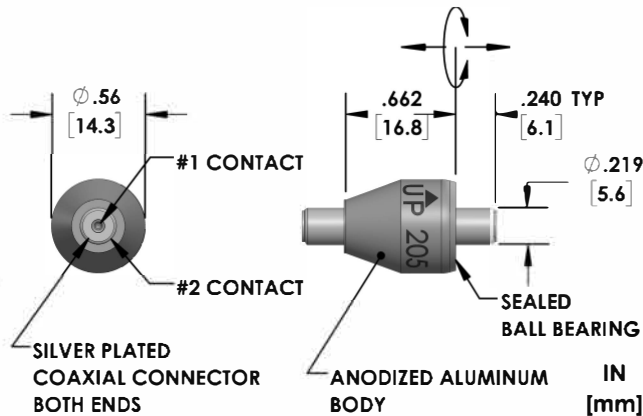


Model 205

Two Conductors,  
4 Amps



High-speed model available (205-H)  
Low-torque/low-temp. models available (205-L)  
Available with stainless steel ball bearing (205-SS)

Mercotac model 205 is ideal for two-wire applications, such as thermocouples, strain gages, eddy current test devices, and wind turbine blade sensors, due to its compact size, quality signal connection, low torque and low cost.

Model 205 replaces the old model 590 for Leslie speakers and Hammond organs.

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
205	2	0-250	4	200	<1mΩ	2000	140 (60) /45(7)	75	>25MΩ
205-SS	2	0-250	4	200	<1mΩ	2000	140 (60) /45(7)	75	>25MΩ
205-L	2	0-250	4	200	<1mΩ	1200	140 (60) /-20(-29)	20	>25MΩ
205-LS	2	0-250	4	200	<1mΩ	1200	140 (60) /-20(-29)	75	>25MΩ
205-H	2	0-250	4	200	<1mΩ	3600	140 (60) /45(7)	35	>25MΩ
205-HS	2	0-250	4	200	<1mΩ	3600	140 (60) /45(7)	35	>25MΩ

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

"L" designator indicates low torque / low temp.

"LS" designator indicates low temp. & stainless steel ball bearing

"H" designator indicates high RPM

"HS" designator indicates high RPM & stainless steel ball bearing

Model 205 Accessories



**592**  
two contact receptacle  
w/ 6" wires  
(18 AWG)



**591**  
two contact receptacle  
w/ one 6" wire  
(18 AWG)

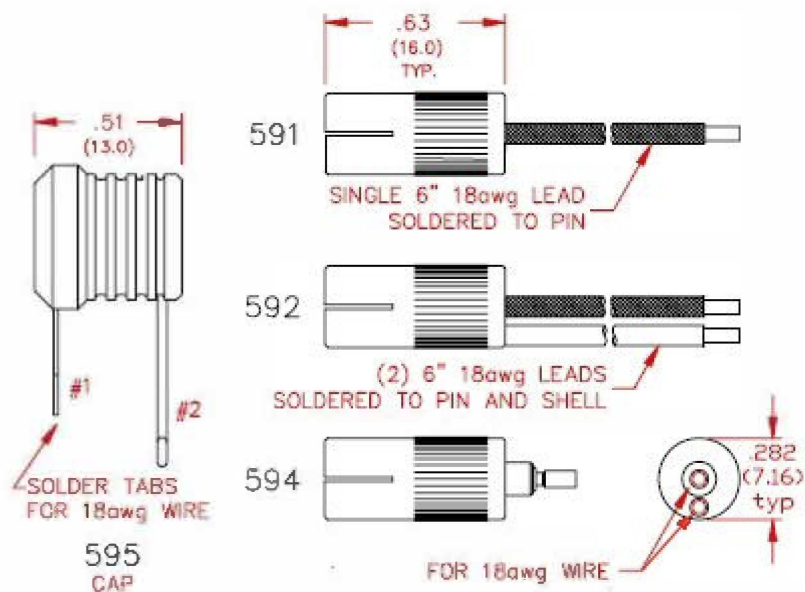


**594**  
two contact receptacle  
w/ two solder holes  
for 18 AWG wires



**595**  
two contact cap  
w/ two solder lugs

Receptacle used for mounting to rotating device.  
Accessories are required for wire connections. Order Separately.



## TWO CONDUCTOR ACCESSORIES

### ▼ Model 205 Connections



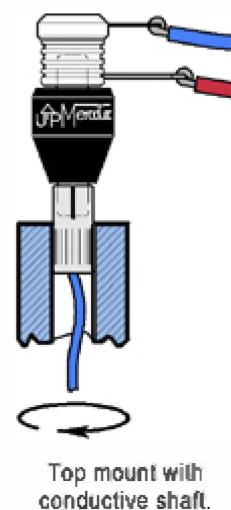
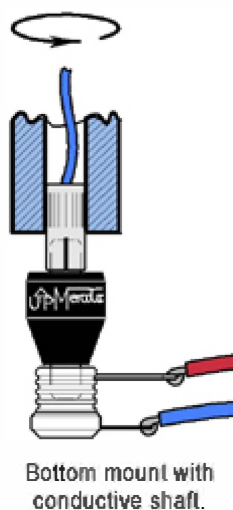
Model 205 plugs into receptacle after the receptacle is press fit into rotating member of machine.

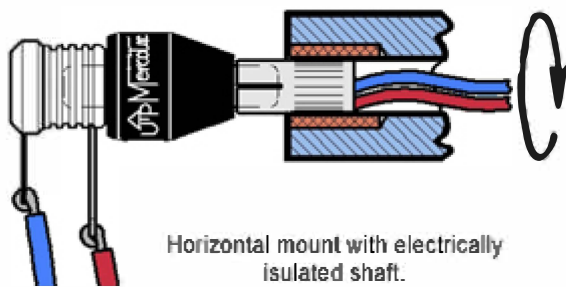


### ▼ Model 205 Suggested Mounting Methods

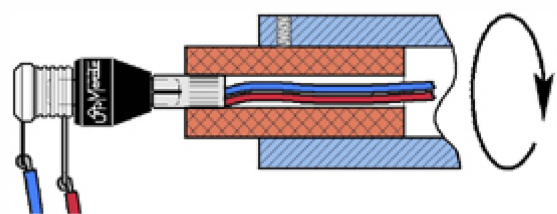
Model 205 is typically mounted by the knurled metal receptacle, which is press-fit into the rotating member of the machine. When mounting horizontally, mount the Mercotac so the body of the connector rotates.

Receptacle Mount Hole Dimensions		
MODEL	HOLE DIAMETER (Ø) *	DEPTH
591, 592, 594	.283" (7.19)	.35" (8.89)
*Inch (mm) Tolerance Ø	+ .001" (+.025)	
	- .000" (-.000)	

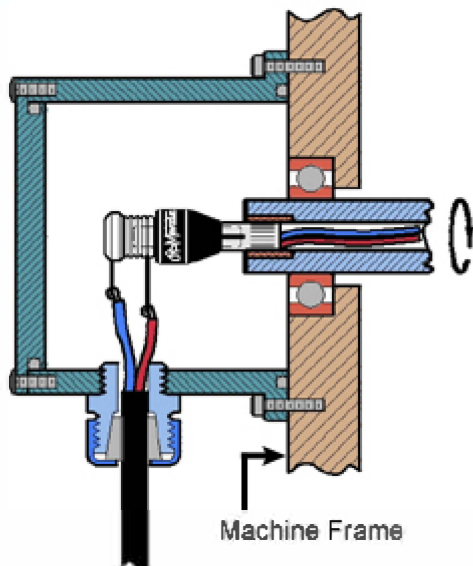




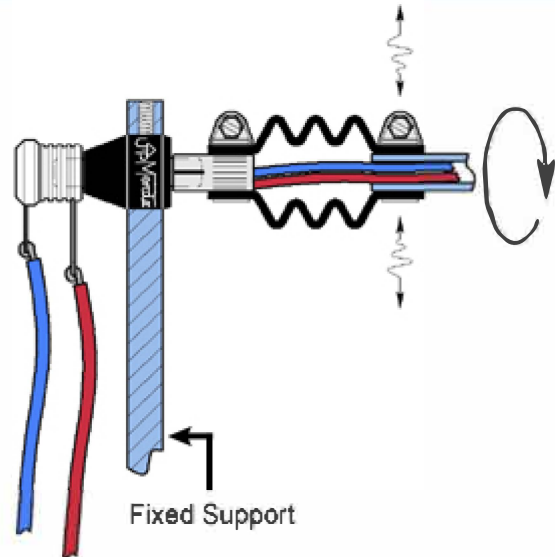
Horizontal mount with electrically insulated shaft.



Horizontal mount with thermal and electrically insulated shaft.



Protective housing mount with insulated shaft.



Vibration isolating mount.

#### 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