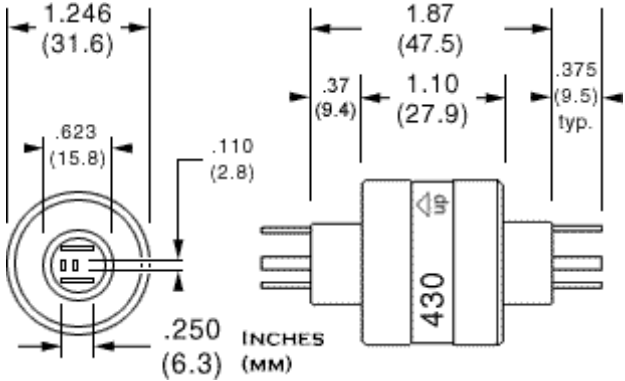


Model 430

Four Conductors,
2@4amps, 2@30amps



Disconnects included
(4 sm., 4 lg.)
[Boot Kit](#) available
Available with stainless steel ball bearing (430-SS)

Mercotac model 430 is ideal for heated roller applications, where connecting to sensitive thermocouple signals and simultaneously powering the heater are required.

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
430	4	0-250	2@4/2@30	100	<1mΩ	1200	140 (60) /-20(-29)	400	>25MΩ
430-SS	4	0-250	2@4/2@30	100	<1mΩ	1200	140 (60) /-20(-29)	400	>25MΩ

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

Model 430 Accessories



50431
Plug Assembly 12 in. wires
14 AWG & 18 AWG
Suitable for up to 20 Amps



50430
Plug Kit - No wires, terminals for wire gauges
20 - 16 AWG & 16 - 14 AWG
Suitable for up to 20 Amps
Also order 5030-T



57430
[Boot Kit](#) for dust or splash protection
IP51



55251
Terminal 16 - 14 AWG
(qty. 2 included)



5030-T
Plug Terminal Crimping Tool
For Use With 50430 Kit



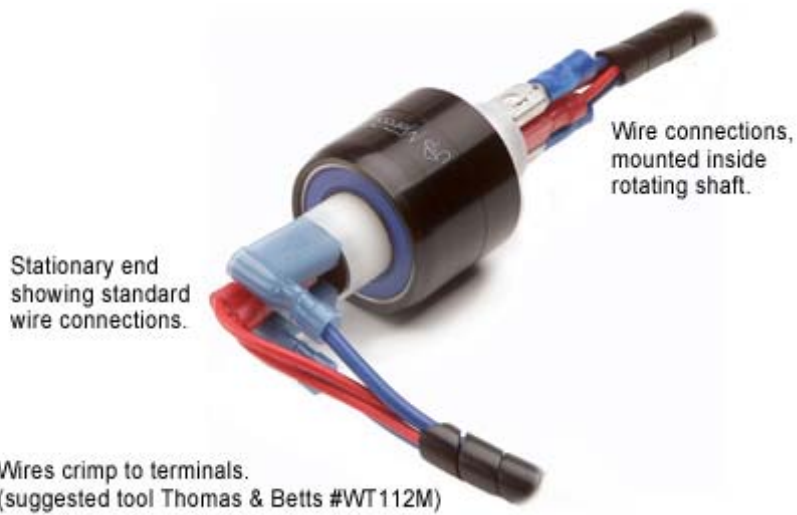
55250
16 - 14 AWG (qty. 2 included)



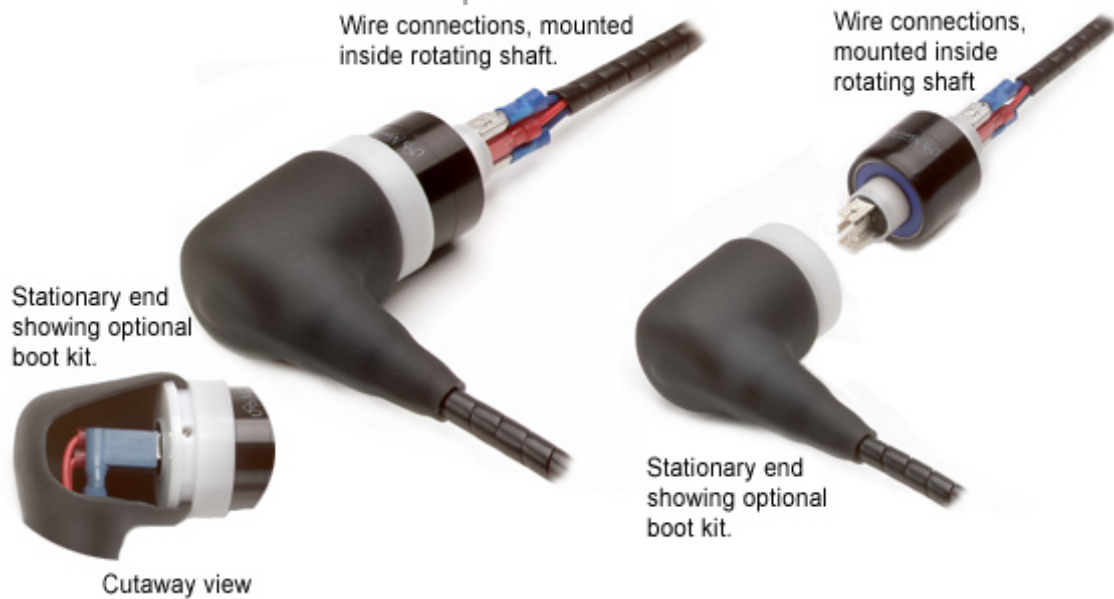
55110
22 - 18 AWG (qty. 4 included)

Terminals for other wire gauges available.
(22-18 AWG and 12-10 AWG)

Model 430 Standard Wire Connections



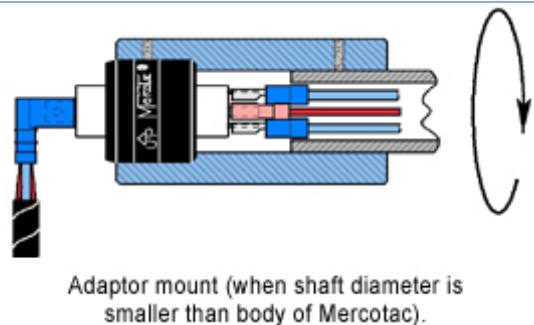
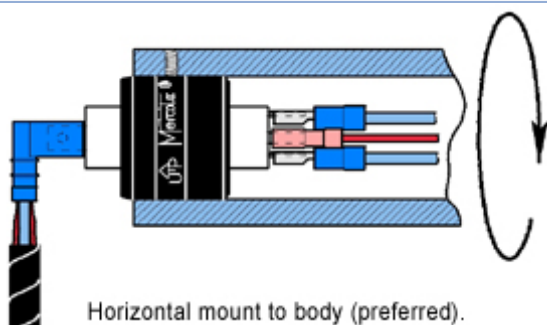
▼ Model 430 Wire Connections With Optional Boot

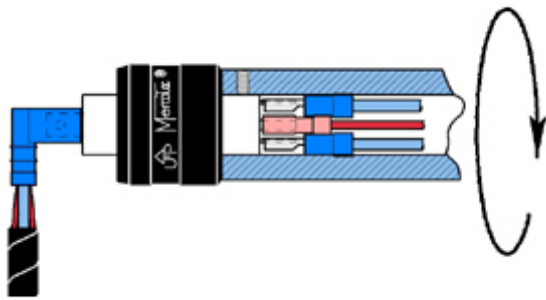


▼ Model 430 Suggested Mounting Methods

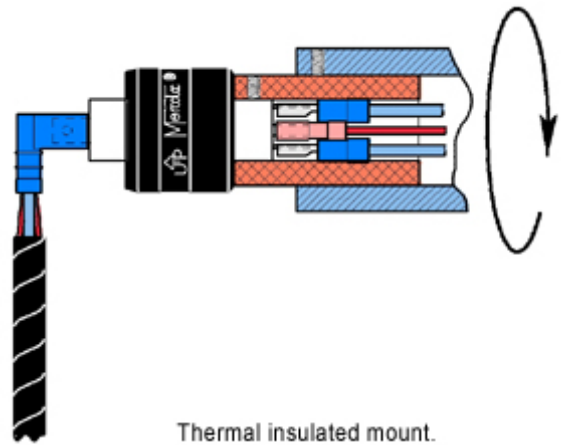
Model 430 is typically mounted by either the black body or the white plastic bushing on either end using a set screw. When mounting horizontally, mount the Mercotac so the body of the connector rotates.

MODEL	Typical Body Mount Hole Dimensions	
	HOLE DIAMETER (Ø) *	DEPTH
430, et al	1.248" (31.70)	.80" (20)
Typical Bushing Mount Hole Dimensions		
430, et al	.625" (15.88)	.40" (10)
With Plug Connector	.625" (15.88)	1.40" (36)
*Inch (mm) Tolerance Ø	+.001" (+.025) -.000" (-.000)	

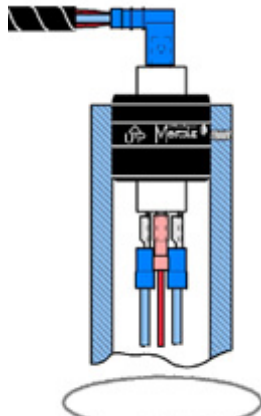




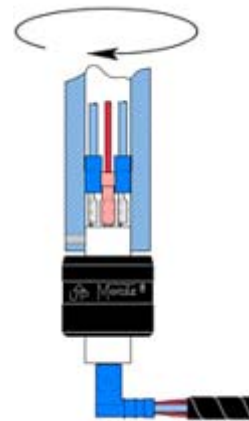
Horizontal mount to bushing (not preferred)
(May be used if shaft cannot be fitted to body diameter).



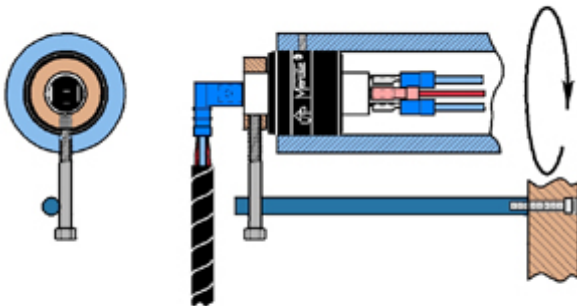
Thermal insulated mount.



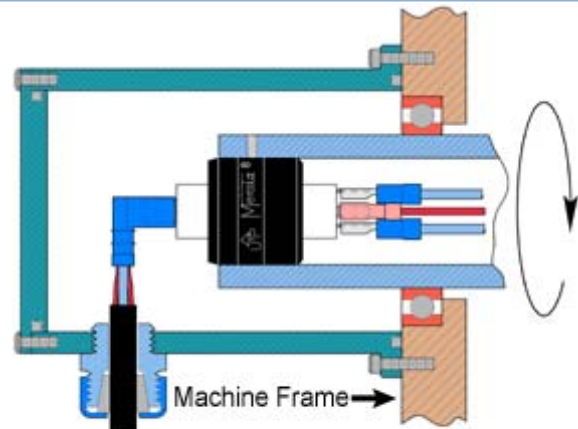
Top mount to body.



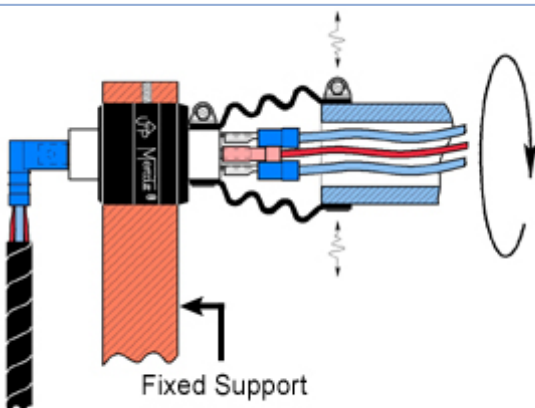
Bottom mount.



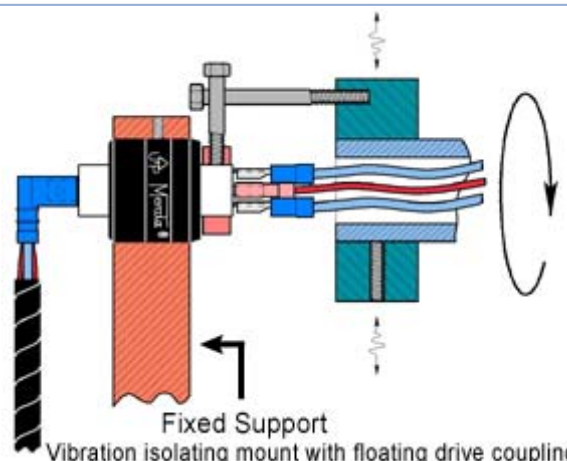
Floating torque arm mount.



Protective housing mount
(Recommended for wash-down or dirty environments.
Also recommended for food processing applications).



Vibration isolating mount with flexible bellows.



Vibration isolating mount with floating drive coupling.

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