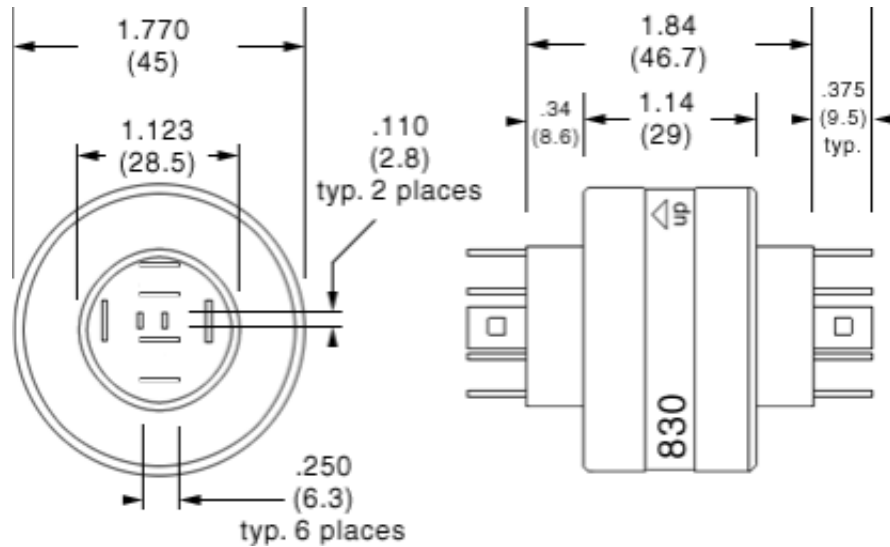


Model 830 series



Mercotac 830 is the perfect solution for 8 wire applications thanks to its very compact size, affordable price and the quality of signals delivered.

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
830	8	0-250	2@4/6@30	100	<1mΩ	200	140 (60) / -20(-29)	1000	>25MΩ
830-SS	8	0-250	2@4/6@30	100	<1mΩ	200	140 (60) / -20(-29)	1000	>25MΩ

Model 830 Accessories



55110
22 - 18 AWG (qty. 4 included)



55253
Shrink Tube (qty. 6 included)



55252
Terminal 16 - 14 AWG (qty. 6 included)



55251
Terminal 16 - 14 AWG (qty. 6 included)



57830
[Boot Kit](#) for dust or splash protection IP51

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

Model 830 Standard wire connections

Stationary end showing standard wire connections.



Wire connections, mounted inside rotating shaft.

Wires crimp to terminals.
(suggested tool Thomas & Betts #WT112M)

Model 830 Wire connections with optional boot kit

Wire connections, mounted inside rotating shaft.



Stationary end showing optional boot kit.

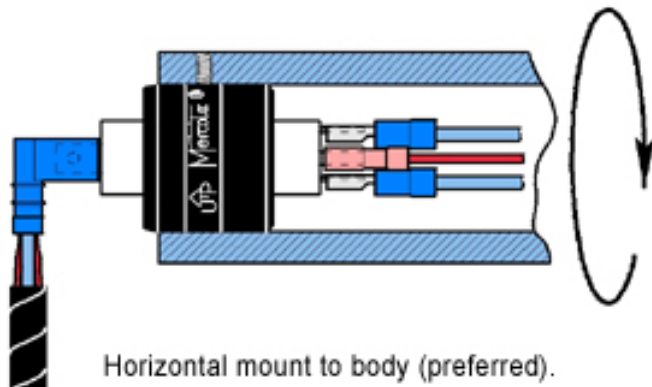
Cutaway view

Wire connections, mounted inside rotating shaft.

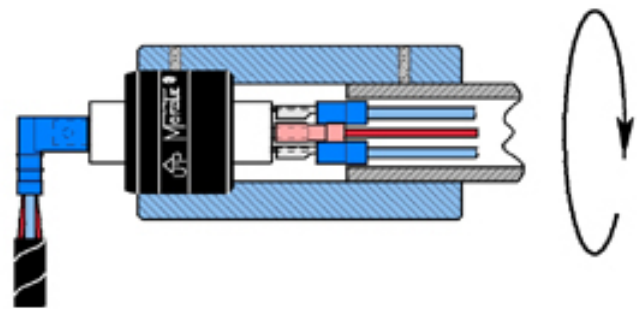


Stationary end showing optional boot kit.

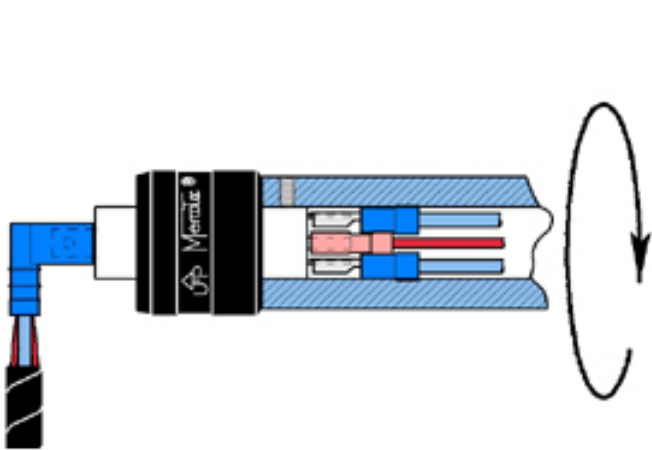
Model 830 Suggested mounting methods



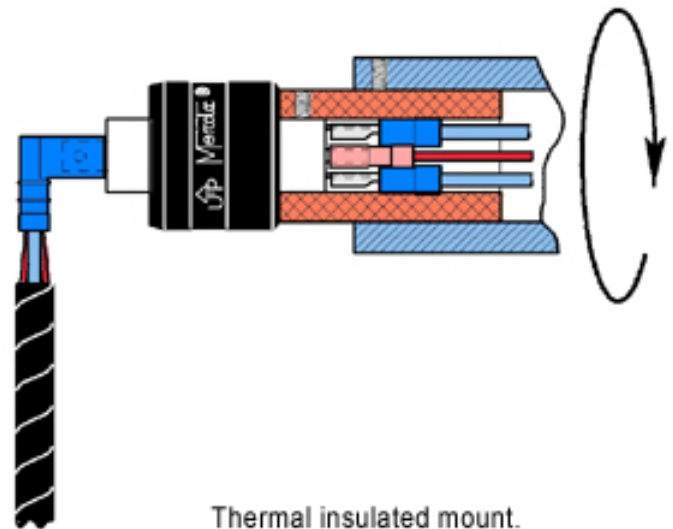
Horizontal mount to body (preferred).



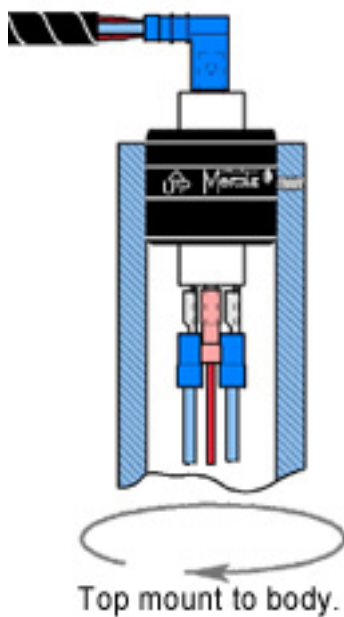
Adaptor mount (when shaft diameter is smaller than body of Mercotac).



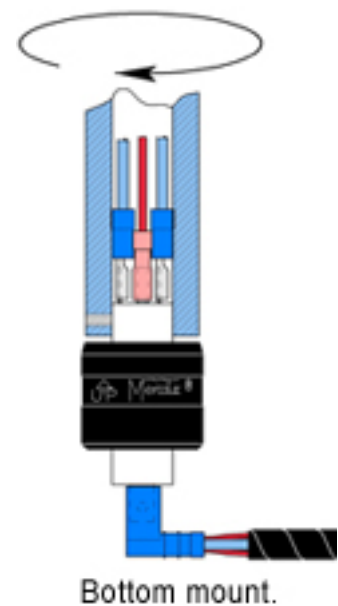
Horizontal mount to bushing (not preferred)
 (May be used if shaft cannot be fitted to body diameter).



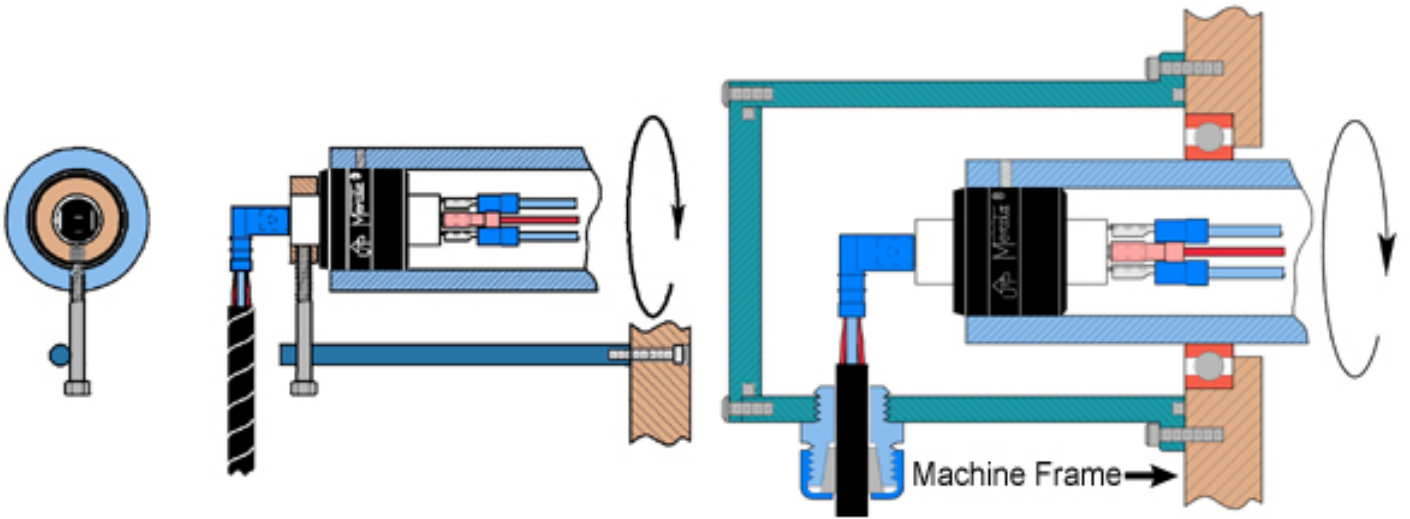
Thermal insulated mount.



Top mount to body.

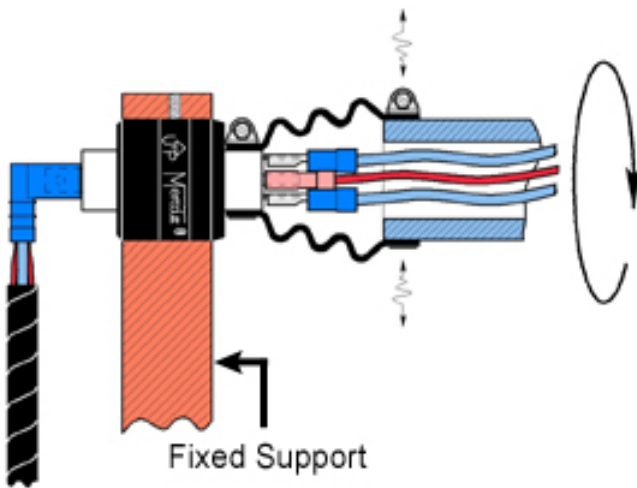


Bottom mount.

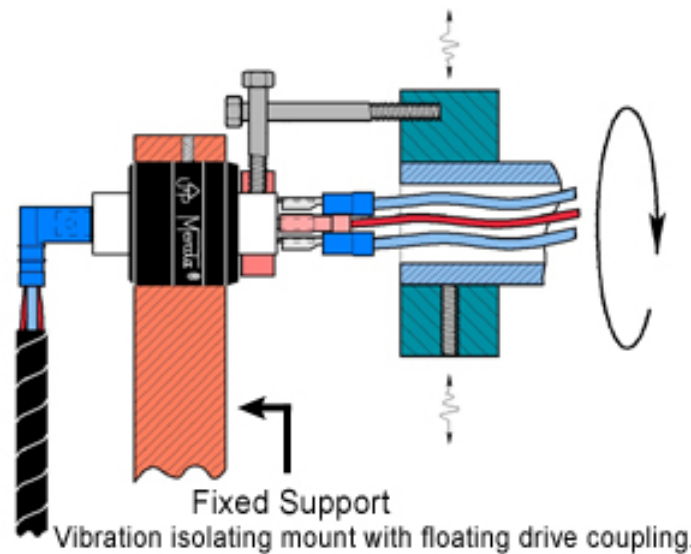


Floating torque arm mount.

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



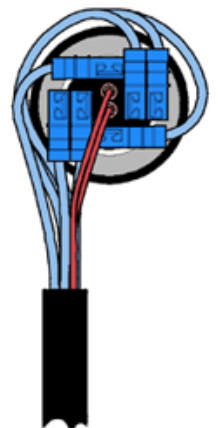
Vibration isolating mount with flexible bellows.



Vibration isolating mount with floating drive coupling.

Model 830 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



Terminal connector layout for Model 830
 (stationary end).