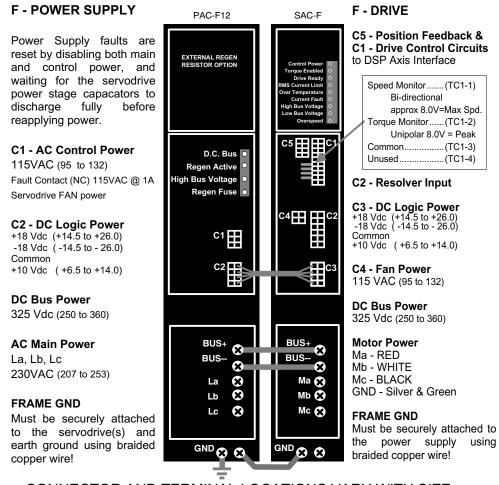
RAFEC F-Series Reference

F-Series Power Supply, Servodrive, and Servomotors are high voltage equipment, using 230 VAC input power and a 325 VDC main DC Bus.

Before checking the cause, turn off the control and main power circuits and wait for the Servodrive power stage capacitors to discharge fully to avoide possible electrical shock.



CONNECTOR AND TERMINAL LOCATIONS VARY WITH SIZE.



For more detail.

refer to "Maintenance and Troubleshooting" section in the F-Series Manual .

*** F-Drive Status LED's Quick Reference ***

			SAC-F
Control Power	(green)	ontroll AC line voltage is applied. hould be illuminated, he second after power is applied.	
Torque Enable	(green)	que Output Enabled.	
Drive Ready	(green)	Should be illuminated. If off, see fault below.	BUS+ Q BUS- Q Ma Q Ma Q Ma Q Ma Q
RMS Current Limit	(red)	LED acts as an indicator only, NOT Latched. RMS current exceeds the continuous rating. Illuminates along with Over Temp below.	
Over Temperature	(red)	Over temperature or RMS current limit fault.	
Current Fault	(red)	Usually due to shorted or incorrect motor wiring or drive power supply failure.	
High Bus Voltage	(red)	Excessive main DC bus voltage over 430Vdc. Drive is disabled.	
Low Bus Voltage	(red)	Missing or insufficient main DC bus voltage under 125Vdc.	
Overspeed	(red)	Resolver cable is miswired or intermittent, or excessive speed.	

*** F-Power Supply Status LED's Quick Reference ***

		Should be illuminated,	REALTION CONTON
D.C. BUS Power	(green)	if off, Main D.C. Bus insufficient or missin	·
		Check AC input power and fuses.	DC Bas Reprivative High Bas Voltage Reprivative
Regen Active	(yellow)	Indicates regeneration circuit is active.	ст Ш
		Not a fault condition.	<u> </u>
on 12 & 20 Amp Mod	ules		aus- Q aus- Q
		High Main A.C.line voltage,	вия-О ць О ць О ць О
High Bus Voltage	(red)	causing the main D.C. Bus voltage to beca	ome
5 5	· · /	excessive. (over 430 VDC)	÷
Regen Fuse	(red)	Shunt regulator regeneration resistor	
	()	fuse is blown.	
on 50 & 75 Amp Mod	ules		
Over Temperature	(red)	Excessive heatsink temp, due to overload	
	(180)	or high ambient temp.	
		or night ambient temp.	Rev
ORMEC SYSTEMS CORP		(585) 385-3520	Rochester, N.Y. 14625