

Wiring Diagram

Date:				Accessory Data Shee		
Project:					Lab Exhaust Isolation Dampe 3 Phase - 200V-208V/230/277V/480V	
Location:						
					With VFD By Others	
NEMA 3R E	nclosure					
(I	By Cook)					
		*				
				<u> </u>		
Fan Moto	\sim	Disconne	et	VFD		
(By Cook	1 1	(By Cook		(By Others)		
					Line Side (By Others)	
					(By Others)	
Auxiliary Contact Wire				Control Wire (By Others)		
	(By Others) See Note 1 NEMA 3R Enclosure				See Note 3	
` •	/ (By Cook)				See Note 4	
			/			
Sec	e Note 2					
		1				
		-11				
	\(\frac{1}{2}\)	¥ \	/ \	<u> </u>	Notes:	
					 Auxiliary contact wire for the disconnect and VFD (by others) only if disconnect is equipped 	
	-		ulu		with optional auxiliary contact 1NO/1NC.	
		H2 H		Н5	Choose connection according to the VAC.	
		277 23 VAC VA		Com.	 Isolation damper and transformer require a clear 50-60 hertz power source, not to be provided 	
	TAO (170 V7	TAO		from the VFD output. Transformer may be	
	Step Down				omitted if control wiring voltage matches the actuator voltage shown below:	
		Transf	ormer		A) "LF120" actuator = 120V.	
		Y Y Y Y	′ Y Y Y Y	Y	B) "AFBUP" or "NFBUP" actuator = 24V-240V.	
	X2	120 \	/AC	X1	C) "RLH" actuator = 120V. 4) Wiring options (can only choose 1):	
					#1 Wire from VFD auxiliary control (by others).	
					This requires the VFD to be equipped with	
		<u> </u>			auxiliary control that will need to be sized and/or programmed to the proper voltage.	
		ack			#2 Wire from controls or BAS/BMS (by others).	
	g	<u>B</u>			#3 Wire from relay switch (by others). 5) Isolation damper auxiliary switch is a standard	
	Hot (Red)	Neutral (Black)		solation Dampe Auxiliary Switch	component for our lab exhaust actuators, but	
	Hot Hot	Ner	_	See Note 5	optional for use. The leads will terminate as	
Γ	L2	L1			stripped wires with wire nuts and left coiled up under the weather hood.	
	lsolat			1 (IN) 2 (NC)		
	Damper S2 (NC)				Wiring/components provided by Cook.Wiring/components required by others.	
	Actua	itor		. ,	wining/components required by others.	