Lift Master

APPLICATION -

The N4 and N4X modification is for use in environments requiring a watertight enclosure.

This addendum is to be used in conjunction with the owner's manual included with this operator. Refer to the manual for all mounting, additional programming and field wiring instructions. The N4 and N4X modification includes a TEFC motor; dynamic braking, watertight/oiltight control enclosure; watertight/oiltight

LOGIC 5 ADDENDUM N4 AND N4X MODIFICATION

A WARNING

To reduce the risk of Severe Injury or Death:

- Any maintenance to the operator or in the area near the operator must not be performed until disconnecting the electrical power and locking-out the power. Upon completion of maintenance the area must be cleared and secured, at that time the unit may be returned to service.
- Disconnect power at the fuse box BEFORE proceeding. Operator MUST be properly grounded and connected in accordance with local electrical codes. The operator should be on a separate fused line of adequate capacity.
- All electrical connections MUST be made by a qualified individual.
- Do not install ANY wiring or attempt to run the operator without consulting the wiring diagram. We recommend that you install an optional reversing edge BEFORE proceeding with the control station installation.
- All power wiring should be on a dedicated circuit and well protected. The location of the power disconnect should be visible and clearly labeled.
- All power and control wiring must be run in separate conduit.

3-button control station; and nickel-plated chain in lieu of all standard components of the operator. For service or replacement part requirements, use this addendum in lieu of those included with the manual.

Leave this addendum and the owner's manual with the owner.

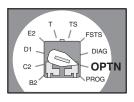
TROUBLESHOOTING -

FAULT	POSSIBLE CAUSE	FIX			
Door coasts significantly or fails to stop.	 Wiring or AUXCARD is not properly connected. 	 Verify the AUXCARD is correctly seated in one of the two expansion slots on the logic board. Verify all wiring using the wiring diagrams. 			
	 Dynamic Brake is not enabled for the operator. 	 Reprogram the operator to enable the dynamic brake. Refer to Program the Dynamic Brake. 			
	 Door is too heavy for the operator or is not properly balanced. 	 Inspect the springs and other aspects of the door to make sure it is properly balanced and can be easily lifted by the operator. 			
Operator resets every time the door stops.	1. Short on transformer secondary.	• Check the wiring. Verify that the bridge rectifier is not shorted. Verify that all relays, including the relay on the AUXCARD, have not failed.			

PROGRAM THE DYNAMIC BRAKE -

The Logic Board (L5) is pre-programmed to control the dynamic brake. If the logic board is replaced the following programming steps will be required.

- 1. Set selector dial to OPTN.
- 2. Press and release MAS.
- 3. Press and release MID.
- 4. Turn the selector dial back to the desired wiring type.



ELECTRICAL BOX N4 & N4X -

NOTE: Optional modifications and/or accessories may add or remove certain parts from this list.

Electrical Box Replacement Parts _

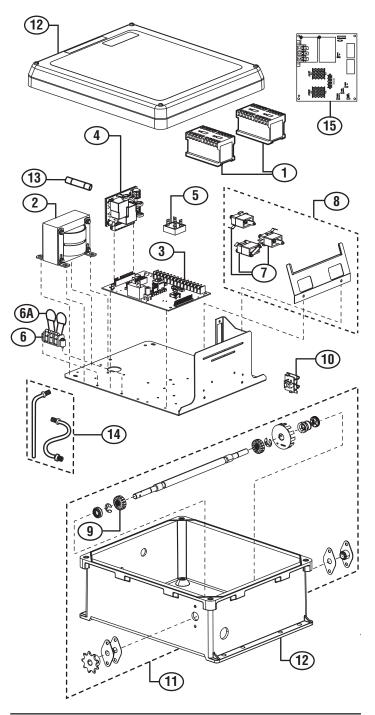
Item Part # Description Q				
1	03-35711	24Vac Relay	Qty 2	
2	21-7115-1	Transformer, 115/230V	2	
2	21-7460-1		1	
		Transformer, 230/460V	-	
0	21-7575-1	Transformer, 575V	1	
3	K001D8075-1	Logic Board (L5)	1	
4	AUXCARD	Relay PCB	1	
5	052C0481	Rectifier	1	
6	42-31247	Terminal Block	1	
6A		MOV's	2	
7	23-10041	Limit Switch (only)	1	
8	K72-12515-1	Limit Switch Kit		
		Includes: Limit switches,		
		mounting blocks, mounting		
		hardware, adjust plate with springs	1	
9	13-10024	Limit Nut	1	
10	K79-15016-1	RPM Sensor	1	
11	K72-33192	Limit Shaft Assembly for GH 1/2		
		to 2 HP	1	
	K72-33258	Limit Shaft Assembly for GT, GSD,		
		GH - 3 HP	1	
12	K75-37367	Complete Enclosure, N4/N4XGH only		
13	29-ABC-2	2-Amp Fuse	1	
14	K001C8103-1		1	
15	K001D8115-1	1 Phase Relay Board	1	
	K001D8116-1	3 Phase Relay Board	1	
NOT SHOWN				
	K94-37289	1 Phase & 3 Phase System Harness	1	

Motors _

Motor Description	N4	N4X		
1/2 HP, 115V, 1-PH	20-1050C-2TLP	20-1050C-2N		
1/2 HP, 230V, 1-PH				
1/2 HP, 208/230V, 3-PH	20-3050C-4T	20-3050C-4N		
1/2 HP, 460V, 3-PH				
1/2 HP, 575V, 3-PH	20-3050C-5T	20-3075C-5N		
3/4 HP, 115V, 1-PH	20-1075C-2TLP	20-1075C-2N		
3/4 HP, 230V, 1-PH				
3/4 HP, 208/230V, 3-PH	20-3075C-4T	20-3075C-4N		
3/4 HP, 460V, 3-PH				
3/4 HP, 575V, 3-PH	20-3075C-5T	20-3075C-5N		
1 HP, 115V, 1-PH	20-1100C-2TLP	20-1100C-2N		
1 HP, 230V, 1-PH				
1 HP, 208/230V, 3-PH	20-3100C-4T	20-3100C-4N		
1 HP, 460V, 3-PH				
1 HP, 575V, 3-PH	20-3100C-5T	20-3100M-5N		
2 HP, 208/230V, 3-PH	20-3200C-4TP	20-3200C-4N		
2 HP, 460V, 3-PH				
2 HP, 575V, 3-PH	20-3200C-5T	20-3200C-5N		

Electrical Box Replacement Kits

To order a complete electrical box replacement kit, add a K- Prefix to the model number of your operator. For example: N4GH5011L5R (Operator) = K-N4GH5011L5R (Electrical Box Kit)

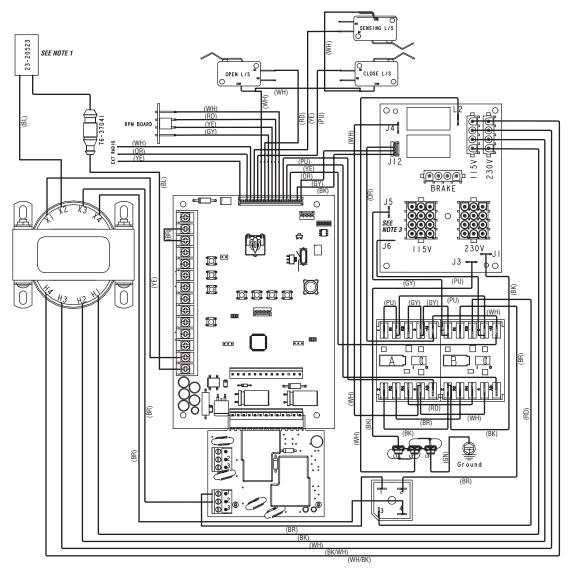


How to Order Repair Parts OUR LARGE SERVICE ORGANIZATION SPANS AMERICA

Installation and service information are available. Call our TOLL FREE number:

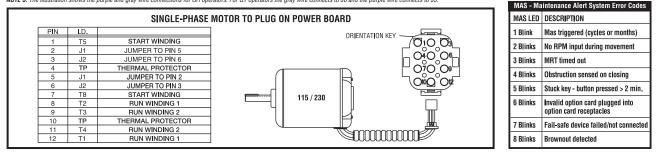
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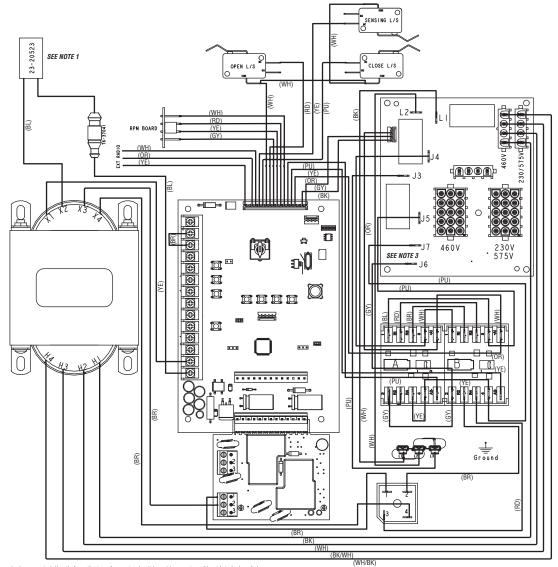
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NOTE 1: The blue wire is connected directly from the transformer to circuit board in operator without interlock switch

NOTE 2: To program the dynamic brake after replacing the control board, turn mode selection to 'DPTN' press the "MAS' button and then press "MID' to enable it. NOTE 3: The illustration shows the purple and gray wire connections for GH operators. For GT operators the gray wire connects to J6 and the purple wire connects to J5.





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