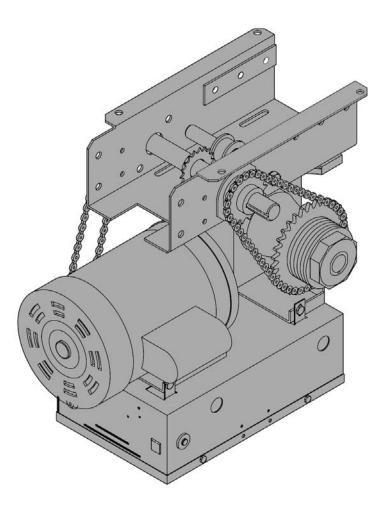


OWNER'S MANUAL

MODEL GT

INDUSTRIAL DUTY DOOR OPERATOR



2 YEAR WARRANTY

Serial #_

(located on electrical box cover)

Installation Date_

Wiring Type _

NOT FOR RESIDENTIAL USE



	IOR
ТҮРЕ:	Continuous duty
HORSEPOWER:	1/2, 3/4,1 & 1-1/2 Hp Single or Three phase
SPEED:	1725 RPM
VOLTAGE:	115, 220, 230 Single phase 230, 460, 575 Three phase
CURRENT:	See motor nameplate

ELECTRICAL

TRANSFORMER:.....24VAC

CONTROL STATION:NEMA 1 three button station. OPEN/CLOSE/STOP

WIRING TYPE:C2 (Factory Shipped) Momentary contact to OPEN & STOP, constant pressure to CLOSE, open override plus wiring for sensing device to reverse. See page 8 for optional control settings.

LIMIT ADJUST:Linear driven, fully adjustable screw type cams. Adjustable to 24 feet.

MECHANICAL

DRIVE REDUCTION:.....Primary: Heavy duty wormgear-in-oil-bath speed reducer.

OUTPUT SHAFT SPEED:64 R.P.M.

DOOR SPEED:1' Foot per sec.

.....depending on door

BRAKE:Solenoid actuated disc brake.

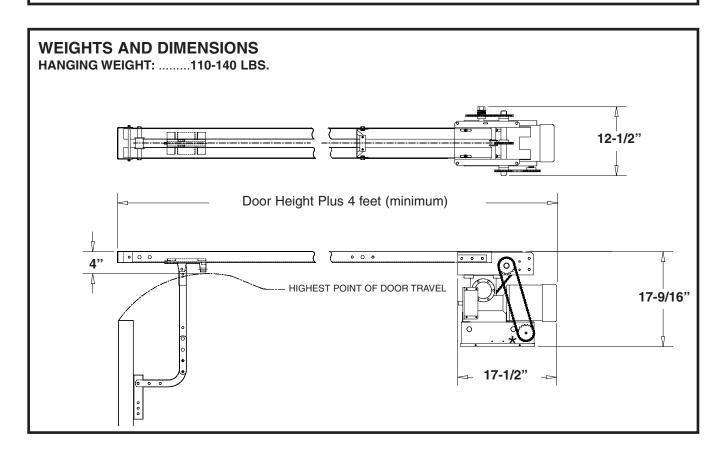
BEARINGS:Output Shaft: Shielded Ball Bearing.

SAFETY

DISCONNECT:Quick disconnect door arm for emergency manual door operation.

REVERSING EDGE:(Optional) Electric or pneumatic sensing device attached to the bottom edge of door.

A REVERSING EDGE IS STRONGLY RECOMMEND-ED FOR ALL COMMERCIAL OPERATOR INSTALLA-TIONS. REQUIRED WHEN THE 3 BUTTON CON-TROL STATION IS OUT OF SIGHT OF DOOR OR ANY OTHER CONTROL (AUTOMATIC OR MANUAL) IS USED.



OPERATOR PREPARATION

KEEP DOOR BALANCED. STICKING OR BINDING DOORS MUST BE REPAIRED. DOORS, DOOR SPRINGS, CABLES, PULLEYS, BRACKETS AND THEIR HARDWARE MAY BE UNDER EXTREME TEN-SION AND CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH. CALL A PROFESSIONAL DOOR SERVICEMAN TO MOVE OR ADJUST DOOR SPRINGS OR HARDWARE.

TRACK ASSEMBLY

1. Using the 3/8"-16 x 3/4 " bolts and flange hex nuts supplied, assemble the operator track by installing and tightening the track spacer brackets. Position the spacers evenly over the length of the track. NOTE: The nylon pad on the spacer bracket should face up.

2. Using (2) $3/8"-16 \times 1"$ bolts and lock washers, install the front idler assembly to the second set of holes of one end of the track. Refer to the illustration below.

3. Slide the trolley carriage onto the track so that the take-up bolt will be toward the operator.

POWERHEAD ATTACHMENT

1. Position the track assembly on the frame of the powerhead so that the motor side of operator is in back (away from door).

4. Connect the track to the powerhead by fastening two 3/8"-16 x 3/4" bolts and nuts through the frame and the end holes in track. Tighten all four bolts to secure the track to the powerhead.

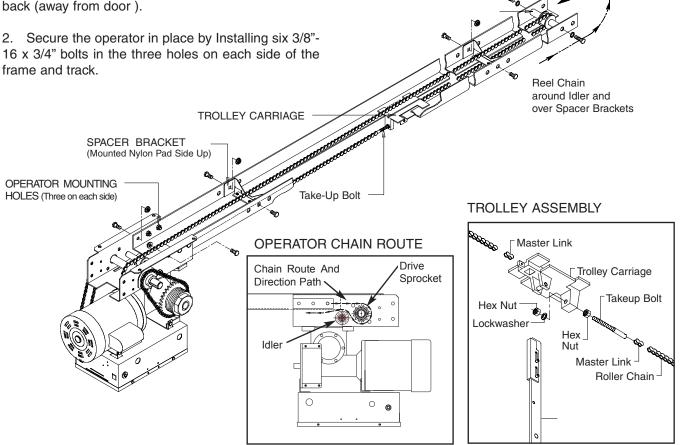
TROLLEY CARRIAGE / CHAIN ATTACHMENT

1. Attach the take-up bolt to the trolley carriage using 3/8-16 hex nuts and lock washer, as shown below.

2. Using one of the master links, attach the chain to the other end of the trolley carriage. Reel the chain around the front idler shaft, over the spacer brackets, back to the drive shaft sprocket, and then to the takeup bolt on the carriage.

3. Using the other master link, attach the chain to the take-up bolt and tighten to the desired chain tension.

CHAIN TENSION: With trolley positioned at either end of the track, a properly adjusted chain will sag about 3" at the mid-point. If necessary, remove links from the chain to achieve proper adjustment.



INSTALLATION INSTRUCTIONS

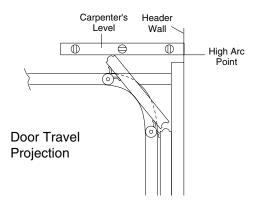
IMPORTANT NOTE: Before the operator is installed, be sure the door has been properly aligned and is working smoothly. Although each installation will vary due to particular building characteristics, refer to the following general procedures to install the operator.

MOUNT HEADER BRACKET

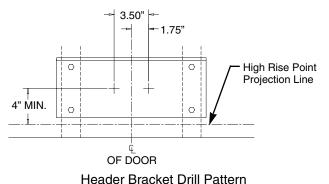
The trolley operator is generally mounted over the center of the door. However, off center mounting may be required due to interfering structures or location of door stile / top section support. In such cases, the operator may be mounted up to 24" off center on torsion spring doors. Extension springs require center mounting.

1. Locate the center of the door and mark a line on the wall directly above the door. Extend this line up the wall.

2. Determine the highest point of door travel. Slowly raise the door and observe the action of the top section. When the top section reaches its highest point, use a level and project a line from this point to the center line the of the door.

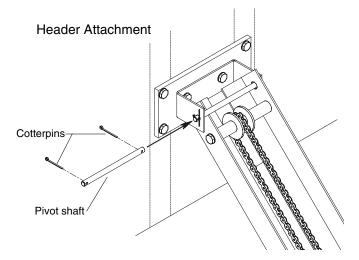


3. Using the projected lines for location, mount a suitable wood block or length of angle iron to the wall above the door opening. Refer to the illustration below. This will provide a mounting pad for the front header bracket of the operator. If necessary reinforce the wall with suitable mounting brackets to ensure adequate support of mounting pad. Using suitable hardware, mount the (U shaped) front header bracket to the pad.

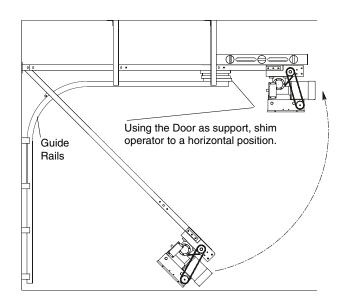


MOUNT OPERATOR

1. Allowing the motor to rest on the floor, raise the front end of the track assembly to the front header bracket and fasten using the 3/8"dia. x 6.40" long pivot shaft and cotterpins supplied.



2. Swing the operator to a horizontal position above the guide rails and temporarily secure with a suitable rope, chain, or support from the floor. Now open garage door slowly, being careful not to dislodge the temporary support. Using the door as a support, place a level against the rail and shim the operator until it is horizontal. Make sure that the operator is aligned with the center line of the door.



Operator Alignment

INSTALLATION INSTRUCTIONS

OPERATOR SUPPORT

1. The illustration below shows a typical method of hanging the operator from the ceiling. Each installation may vary, but in all cases side braces should be used for additional strength.

2. For mounting of the support brace(s) to the powerhead, Four holes (clearance up to 3/8" bolts) are located on each side of frame.

NOTE: If the operator is longer than 15 feet, use of a mid-span support is recommended.

FAILURE TO SUSPEND THE OPERATOR SECURELY MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH, AND/OR PROPERTY DAMAGE.

STRAIGHT ARM ATTACHMENT

1. Fully close the door and move the trolley slider to within (2") two inches of the front idler.

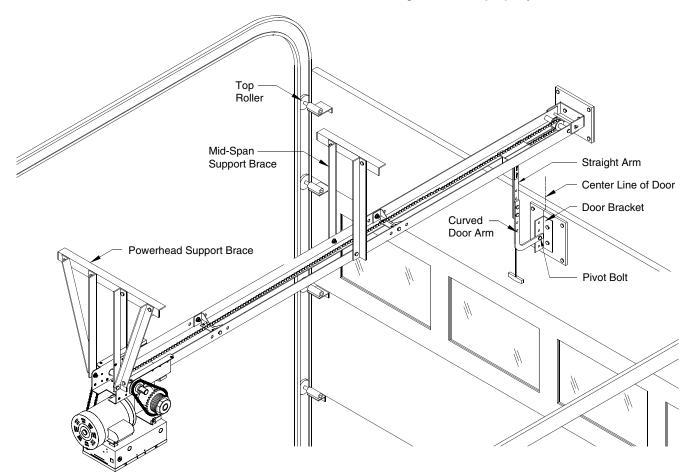
2. Latch the straight door arm to the fixed roll pin in the trolley carriage. Make sure the open side of notch on the arm faces the doorway.

3. Attach the door bracket to the door arm using the 3/8"-16 x 1" bolt and nylon locking nut provided. Leave the nut and bolt loose enough to allow the two pieces to pivot freely.

4. Using 3/8" hardware provided, bolt the curved door arm to the straight arm, aligning the mounting holes in such a way that the door bracket pivot bolt will be in line with the top rollers on the door.

5. Position the door bracket to the center line on the door. Using suitable hardware, attach the door bracket to the door. Many installations, except solid wood doors, will require additional support for the door. Refer to the illustration below.

IMPORTANT NOTE: At this time, ensure all bolts and lag screws are properly secured.



ENTRAPMENT PROTECTION ACCESSORIES (OPTIONAL)

SENSING EDGES & PHOTO EYES

Sensing devices supplied for door industry type operators with an isolated normally open (N.O.) output are compatible with your operator. This includes pneumatic and electric edges, and through beam and retro reflective photo eyes. If your door does not have a bottom sensing edge or safety photo eyes and you wish to add a safety device to your application, please contact your local LiftMaster Authorized Dealer.

If not pre-installed by the door manufacturer, mount the sensing edge on the door according to the instructions provided with the edge. The sensing edge may be electrically connected by either coiled cord or take-up reel. Refer to the steps below.

Important Notes:

- a) Proceed with Limit Switch Adjustments before making any sensing edge wiring connections to operator as described below.
- b) Electrician must hardwire the junction box to the operator electrical box in accordance with local codes.

NOTICE

IT IS STRONGLY RECOMMENDED THAT A SAFETY PHOTO EYE OR SENSING EDGE BE USED IN CONJUNCTION WITH THE OPERATOR.

WIRING:

For wiring of your sensing device to the operator, refer to the wiring diagram supplied with your operator. See field connection terminals identified as Sensing Device or Safety Edge.

TAKE-UP REEL: Take-up reel should be installed 12" above the top of the door.

COIL CORD: Connect operator end of coil cord to junction box (not supplied) fastened to the wall approximately halfway up the door opening.

LIMIT SWITCH ADJUSTMENT

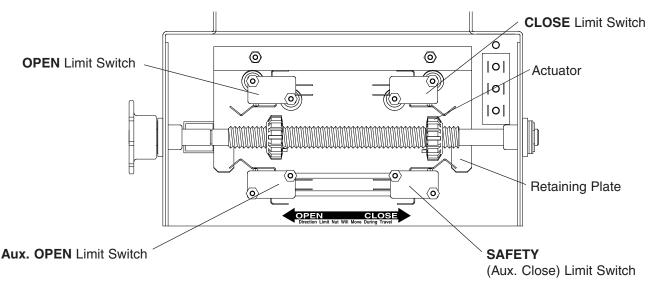
MAKE SURE THE LIMIT NUTS ARE POSITIONED BETWEEN THE LIMIT SWITCH ACTUATORS BEFORE PROCEEDING WITH ADJUSTMENTS.

- 1. To adjust limit nuts depress retaining plate to allow nut to spin freely. After adjustment, release plate and ensure it seats fully in slots of both nuts.
- 2. To **increase** door travel, spin nut **away** from actuator. To **decrease** door travel, spin limit nut **toward** actuator.
- 3. Adjust open limit nut so that door will stop in open position with the bottom of the door even with top of door opening.
- 4. Repeat Steps 1 and 2 for close cycle. Adjust close limit nut so that actuator is engaged as door fully seats at the floor.



TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER BEFORE MANUALLY MOVING LIMIT NUTS.

If other problems persist, call our toll-free number for assistance - 1-800-528-2806.



POWER WIRING CONNECTIONS

Remove the cover from the electrical enclosure. Inside this enclosure you will find the wiring diagram(s) for your unit. Refer to the diagram (glued on the inside of the cover) for all connections described below. If this diagram is missing, call the number on the back of this manual. DO NOT INSTALL ANY WIRING OR ATTEMPT TO RUN THIS OPERATOR WITHOUT CONSULTING THE WIRING DIAGRAM.

DISCONNECT POWER AT THE FUSE BOX BEFORE PROCEEDING.

OPERATOR MUST BE PROPERLY GROUNDED AND PERMANENTLY WIRED IN ACCORDANCE WITH LOCAL ELECTRICAL CODES. NOTE: THE OPERATOR SHOULD BE ON A SEPARATE FUSED LINE OF ADEQUATE CAPACITY.

ALL ELECTRICAL CONNECTIONS MUST BE MADE BY A QUALIFIED INDIVIDUAL.

TO AVOID DAMAGE TO DOOR AND OPERATOR, MAKE ALL DOOR LOCKS INOPERATIVE. SECURE LOCK(S) IN "OPEN" POSITION.

IF THE DOOR LOCK NEEDS TO REMAIN FUNCTIONAL, INSTALL AN INTERLOCK SWITCH.

POWER WIRING

1. Be sure that the power supply is of the correct voltage, phase, frequency, and amperage to supply the operator. Refer to the operator nameplate on the cover.

2. Using the 1-1/16" dia conduit access knockout as shown below, bring supply lines to the operator and connect wires to the terminals indicated on the WIRING CONNECTIONS DIAGRAM.

DO NOT TURN POWER ON UNTIL YOU HAVE FINISHED MAKING ALL POWER AND CONTROL WIRING CONNECTIONS AND HAVE COMPLETED THE LIMIT SWITCH ADJUSTMENT PROCEDURE.

IMPORTANT: THIS UNIT MUST BE PROPERLY GROUNDED. A GROUND SCREW IS SUPPLIED IN THE ELECTRICAL BOX FOR CONNECTION OF THE POWER SUPPLY GROUND WIRE. FAILURE TO PROPERLY GROUND THIS UNIT COULD RESULT IN ELECTRIC SHOCK AND SERIOUS INJURY.

ON THREE PHASE MACHINES ONLY!

Incorrect phasing of the power supply will cause the motor to rotate in the wrong direction (open when CLOSE button is pressed and vice-versa). To correct this, interchange any two of the incoming three phase power lines.

WARNING **Do Not Run Power &** 0 0 о 0 **Control Wiring in the** Same Conduit 0 0 (2) 7/8" Dia Knockouts for ~ \mathbf{O} control wiring conduit access (2 on end panel) \bigcirc 0 1-1/16' Dia. Knockouts for power wiring conduit access (1 farside)

CONDUIT ACCESS

CONTROL WIRING

DETERMINE WIRING TYPE

Refer to the wiring diagram located on the inside cover the electrical box to determine the type of control wiring.

Standard C2 or B2 Wiring

Standard operators are shipped from the factory with jumper set for C2 wiring, which requires constant pressure on button to close the door. If momentary contact on close direction is desired (B2 wiring) you must include an entrapment protection device. See close control jumper setting below.

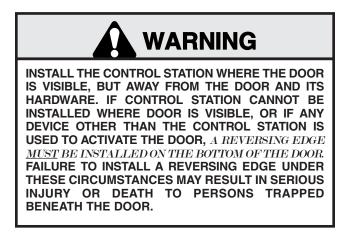
- Constant pressure on close (C2 wiring) Red jumper wire was placed on terminal #2 in electrical enclosure. The operator will require constant pressure on close control in order to keep door moving in the close direction.
- Momentary contact on close (B2 wiring)
 Move red jumper wire from terminal #2 to terminal #3. The operator will require only momentary contact to close the door.

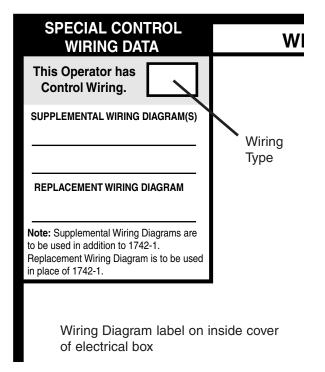
SPECIAL CONTROL WIRING

If your operator was shipped from the factory with non-standard control wiring or with optional accessories that require addition instructions, refer to the wiring diagram(s) indicated in the special control wiring data box. When a replacement wiring diagram is present, wiring diagrams in this manual will not apply. Refer only to the replacement wiring diagram for all connections.

LOCATING THE CONTROL STATION

All operators are supplied with some type of control station. Generally a three button station (OPEN/CLOSE/STOP) is provided. A two-position key switch or control station (OPEN/CLOSE) may be added or substituted when requested at the time of order. Mount the control station near the door.





IMPORTANT NOTE: If your wiring diagram is missing, or you are unsure of the wiring type for your operator, contact the customer service department @ 1-800-528-2806.

MOUNT WARNING NOTICE

IMPORTANT: Mount WARNING NOTICE beside or below the push button station.



CONTROL WIRING (con't)

Radio Controls

On all models with type B2 control wiring, a terminal bracket marked R1 R2 R3 is located on the outside of the electrical enclosure. All standard radio control receivers (single channel residential type) may be mounted to this bracket. The operator will then open a fully closed door, close a fully open door, and reverse a closing door from the radio transmitter. However, for complete door control from a transmitter, a commercial three-channel radio set (with connections for OPEN/CLOSE/STOP) is recommended.

DO NOT USE RADIO CONTROLS WITH YOUR OPERATOR UNLESS YOU HAVE INSTALLED SOME TYPE OF ENTRAPMENT PROTECTION DEVICE. THE USE OF RADIO CONTROLS PRESENTS POTENTIAL HAZARDS DUE TO THE USER'S ABILITY TO OPEN OR CLOSE THE DOOR WHEN OUT OF SIGHT OF THE DOOR. IN ADDITION, IF A SINGLE CHANNEL CONTROL IS USED, THE USER WILL NOT BE ABLE TO STOP THE DOOR FROM THE TRANSMITTER.

Additional Access Control Equipment

Locate any additional access control equipment as desired (but so that the door will be in clear sight of the person operating the equipment), and connect to the terminal block in the electrical enclosure as shown on the FIELD WIRING CONNECTIONS diagram. Any control with a normally (N.O.) isolated output contact may be connected in parallel with the OPEN button. More than one device may be connected in this manner. Use 16 gauge wire or larger for all controls. DO NOT USE THE CONTROL CIRCUIT TRANSFORMER (24VAC) IN THE OPERATOR TO POWER ANY ACCESS CONTROL EQUIPMENT OTHER THAN A STANDARD RESIDENTIAL TYPE RADIO RECEIVER.

External Interlock Switch

The operator has a terminal connection for an external interlock switch. This switch must be a normally closed (N.C.) two-wire device with a contact rating of at least 3 amps @ 24VAC. When such a switch is connected as shown on the FIELD WIRING CONNECTIONS diagram, the control circuit will be disabled when the switch is actuated, thereby preventing electrical operation of the door from the control devices.

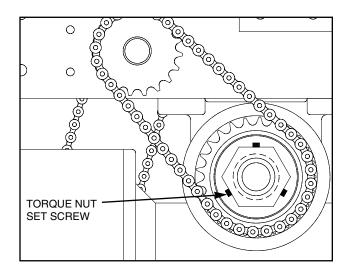
TORQUE ADJUSTMENT

1. Loosen set screws of torque adjustment nut on the gear reducer.

2. Back off toque nut until there is very little tension on the belleville washers.

3. Tighten torque nut gradually until there is just enough tension to permit the operator to move the door smoothly through a complete open/close cycle, but to allow the reducer to slip if the door is obstructed.

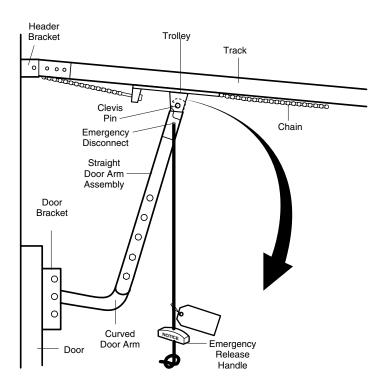
4. Re-tighten the set screw that is directly over the flat portion of the shaft.



EMERGENCY DISCONNECT SYSTEM

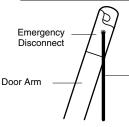
DOOR ARM IS RELEASED FROM TROLLEY WHEN EMERGENCY DISCONNECT OPENS. TO AVOID BEING STRUCK BY DOOR ARM, DO NOT STAND UNDER THE ROPE OR DOOR ARM WHEN

PULLING THE EMERGENCY RELEASE.



TO DISCONNECT DOOR FROM OPENER Emergency Disconnect Pull emergency release handle straight down. Emergency disconnect will open.

TO RECONNECT DOOR ARM TO TROLLEY



Lift free end of door arm to trolley. Pull emergency handle to allow arm to engage roll pin. Release handle. Emergency disconnect will close.

TEST THE SYSTEM

Turn on power. Test all controls and safety devices to make sure they are working properly. It will be necessary to refer back to page 6 for fine adjustment of the limit switches.

IMPORTANT NOTES:

- Do not leave operator power on unless all safety and entrapment protection devices have been tested and are working properly.
- Be sure you have read and understand all Safety Instructions included in this manual.
- Be sure the owner or person(s) responsible for operation of the door have read and understand the Safety Instructions, know how to electrically operate the door in a safe manner, and know how to use the manual disconnect operation of the door operating system.

WARNING

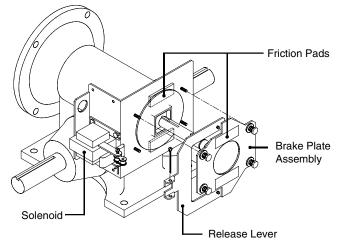
DO NOT PLACE HANDS OR TOOLS IN OR NEAR THE OPERATOR WHEN THE POWER IS ON OR WHEN TESTING CONTROL OR SAFETY DEVICES. ALWAYS DISCONNECT POWER BEFORE SERVICING OR ADJUSTING THE OPERATOR.

BRAKE ADJUSTMENT

A solenoid brake is standard on GT operators. The brake is adjusted at the factory and should not need additional adjustment for the the life of the friction pad.

Replace friction pads when necessary. Refer to the illustration for identification of components for the solenoid type brake system.

Solenoid Brake System



MAINTENANCE SCHEDULE

Check at the intervals listed in the following chart.

ITEM	PROCEDURE	EVERY 3 MONTHS	EVERY 6 MONTHS	EVERY 12 MONTHS
Drive Chain	Check for excessive slack. Check & adjust as required. Lubricate.*	•		~
Sprockets	Check set screw tightness	•		~
Fasteners	Check & tighten as required		●	~
Manual Disconnect	Check & Operate		•	>
Bearings & Shafts	Check for wear & lubricate			~

- ***** Use SAE 30 Oil (Never use grease or silicone spray).
- ✓ Repeat ALL procedures.
- Do not lubricate motor. Motor bearings are rated for continuous operation.
- Inspect and service whenever a malfunction is observed or suspected.
- CAUTION: BEFORE SERVICING, ALWAYS DISCONNECT OPERATOR FROM POWER SUPPLY.

HOW TO ORDER REPAIR PARTS

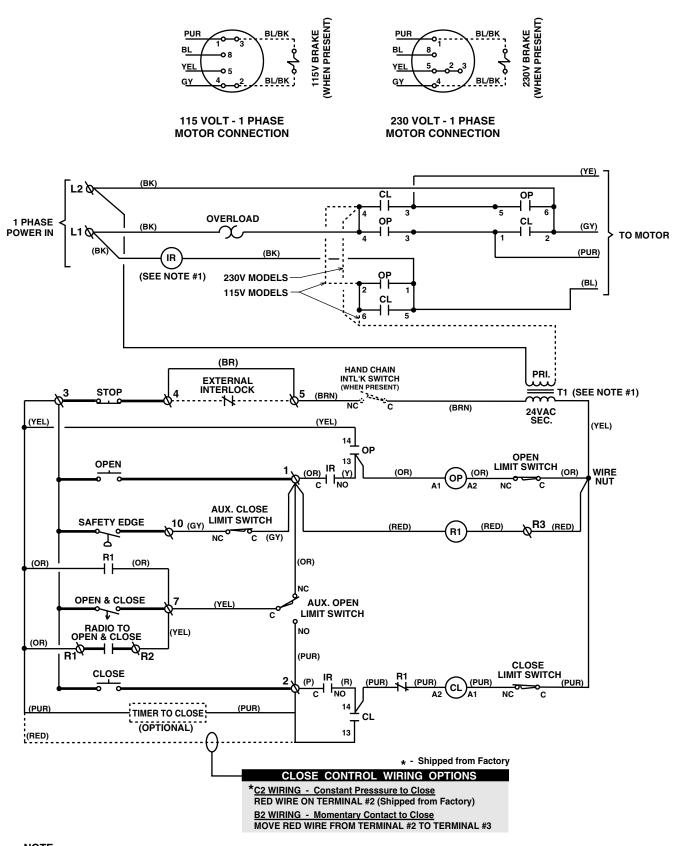
OUR LARGE SERVICE ORGANIZATION SPANS AMERICA INSTALLATION AND SERVICE INFORMATION ARE AVAILABLE 6 DAYS A WEEK CALL OUR TOLL FREE NUMBER - 1-800-528-2806 HOURS 7:00 TO 3:30 p.m. (Mountain Std. Time) MONDAY Through SATURDAY

WHEN ORDERING REPAIR PARTS PLEASE SUPPLY THE FOLLOWING INFORMATION: PART NUMBER DESCRIPTION MODEL NUMBER

ADDRESS ORDER TO:

THE CHAMBERLAIN GROUP, INC. Electronic Parts & Service Dept. 2301 N. Forbes Blvd., Suite 104 Tucson, AZ 85745

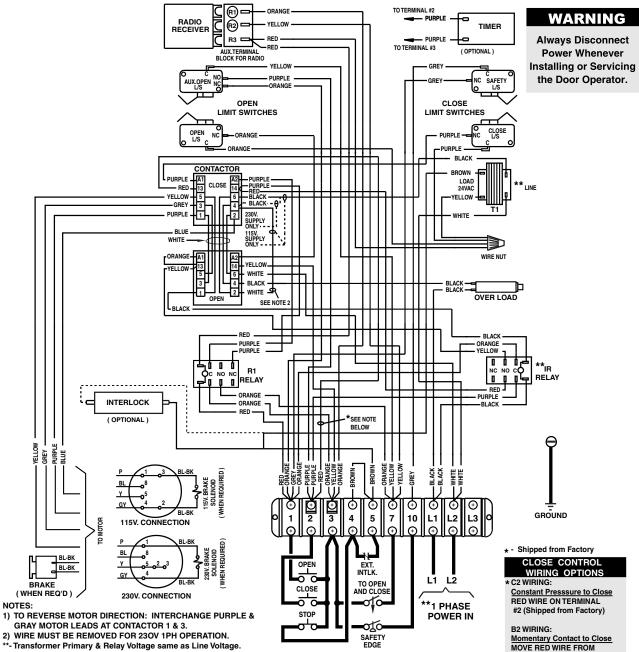
SINGLE PHASE SCHEMATIC DIAGRAM 1742-1



NOTE: 1. Voltage same as line voltage.

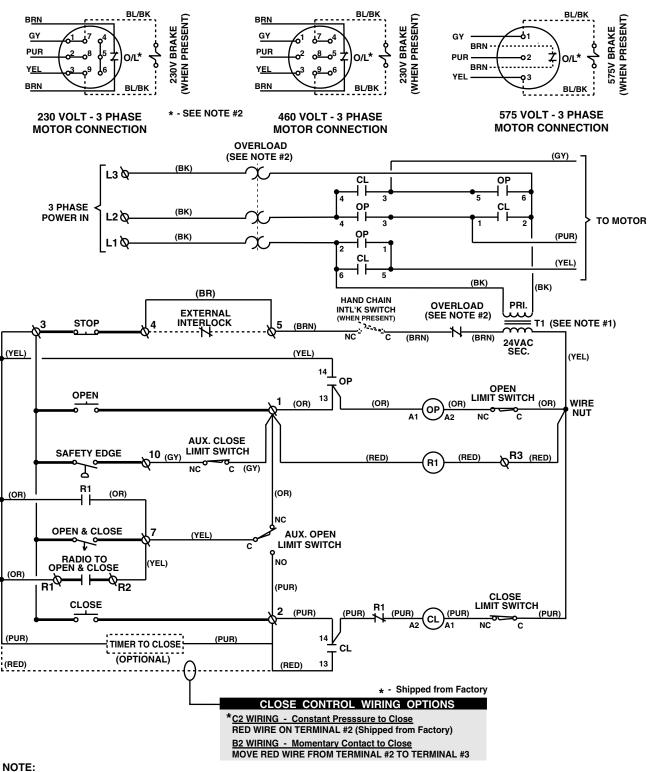
SINGLE PHASE WIRING DIAGRAM

1742-1



Momentary Contact to Close MOVE RED WIRE FROM TERMINAL #2 TO TERMINAL #3

THREE PHASE SCHEMATIC DIAGRAM 1742-3



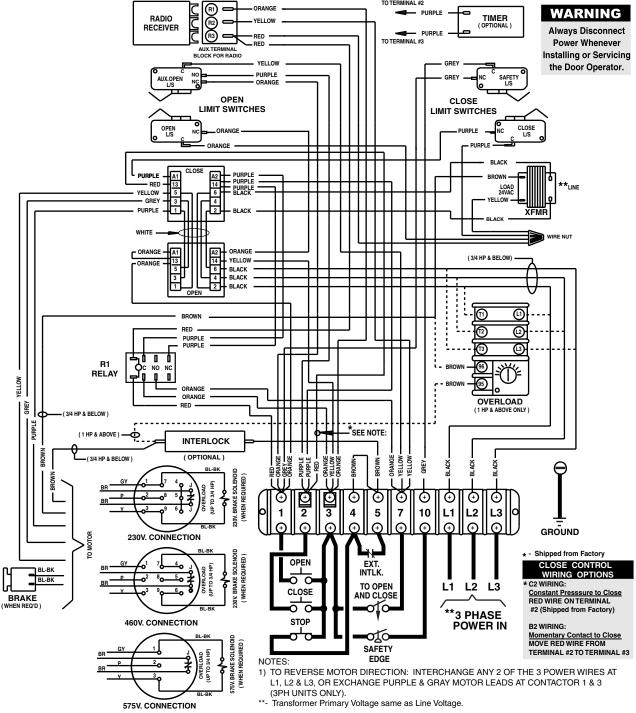
1. Voltage same as line voltage

2. Overload in motor for models up to 3/4 Hp, located in limit box for 1 Hp and above.

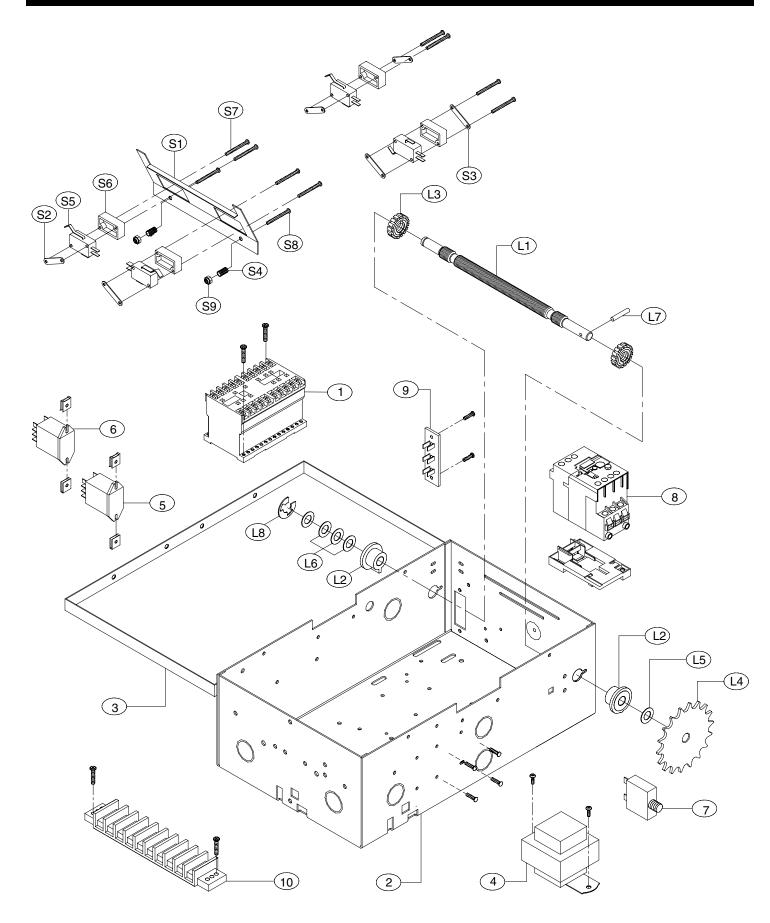
THREE PHASE WIRING DIAGRAM

ORANGE

1742-3 TO TERMINAL #2 - PURPLE WARNING _



ILLUSTRATED PARTS – ELECTRICAL BOX



REPAIR PARTS KITS – ELECTRICAL BOX

Below are replacement kits available for your operator. For replacement of electrical box, motor or brake components be sure to match model number of your unit to kit number below to ensure proper voltage requirements. Optional modifications and/or accessories included with your operator may add or remove certain components from these lists. Please consult a parts and service representative regarding availability of individual components of kits specified below. Refer to page 11 for all repair part ordering information.

Complete 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:

GT5011M (Operator) = K-GT5011M (Elec. Box Kit)

Electrical Box Sub-Assembly Kits

K72-12510	Limit Shaft Assembly
K75-12511	Limit Switch Assembly

Shaft Assembly Kits

K75-12858	Torque Limiter Assembly
K72-12859	Drive Shaft Assembly

Brake Assembly Kits

K75-12855	115V Models
K75-12856	230-460V Models
K75-12857	575V Models

Hardware, Track, and Drive Chain Kits

K75-12870	Straight and Curved Arm Assembly
K77-10201	Hardware Kit
See Page 19	Drive Chain
See Page 19	Door Track

	* COMPLETE ELECTRICAL BOX KITS					
Item	P/N	Description	Qty			
1	03-8024-K	Contactor	1			
2	10-13900	Electrical Box (No Tabs)	1			
3	10-10115	Electrical Box Cover	1			
4	21-5xxx	(See Individual Components)	1			
5	24-xxx-x	(See Individual Components)	1			
6	24-24-1	24VAC DPDT Relay	1			
7	25-2xxx	(See Overloads)	1			
8	25-4xxx	(See Overloads)	1			
9	42-10040	Terminal Block, Radio	1			
10	42-110	Terminal Block, 10 Position	1			
* Eleo	* Electrical Box Kits include parts from K72-12510 and K75-12511					

	K72-12418	LIMIT SHAFT ASSEMBLY K	IT
Item	P/N	Description	Qty
L1	11-10021	Limit Shaft	1
L2	12-10028	Flange Bearing, 3/8" I.D.	2
L3	13-10024	Limit Nut	2
L4	15-48B18AXX	Sprocket 48B18 x 3/8" Bore	1
L5	80-10025	Washer, Shim 3/8" I.D. x .050 THK.	1
L6	80-10026	Washer, Shim 3/8" I.D. x .010 THK.	4
L7	86-RP04-100	Roll Pin, 1/8 DIA. x 1 Long	1
L8	87-E-038	E Ring, 3/8"	1

	K75-12511	LIMIT SWITCH ASSEMBLY	KIT
Item	P/N	Description	Qty
S1	10-10013	Depress Plate	1
S2	10-12553	Nut Plate, Switch	4
S3	10-12806	Backup Plate	2
S4	18-10036	Spring, Depress Plate	2
S5	23-10041	Limit Switch	4
S6	31-12542	Standoff, Limit Switch	4
S7	82-PX04-20	Screw, #4-40 Pan Head Phillips	8
S8	82-PX06-16	Screw, #6-32 x 1" Pan Hd Phillips	2
S9	84-LH-06	Locknut, #6-32 Nylon Hex	2

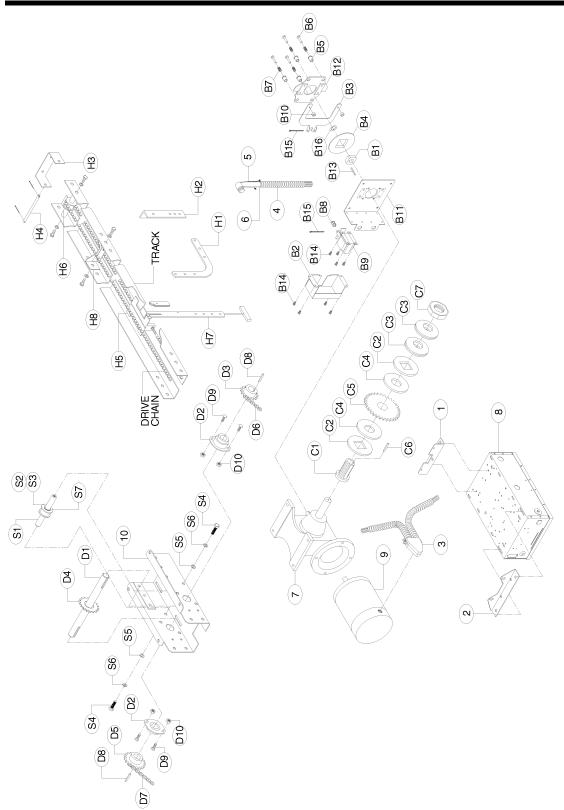
Motor Kits K20-1050C2 K20-3050C4 K20-3050M5 K20-5150C6 K20-1075C2 K20-3075C4 K20-3075M5 K20-5175C6 K20-1100C2 K20-3100C4 K20-3100M5 K20-5110C6 K20-1150C2 K20-3150C4	Models Models Models Models Model Model Models Models Model Models Models	GT5011M, GT5021M GT5023M, GT5043M, GT5038M GT5025M GT7511M, GT7521M GT7523M, GT7543M, GT7538M GT7553M GT7525M GT1011M, GT1021M GT1023M, GT1043M, GT1038M GT1053M GT1025M GT1511M, GT1521M GT1523M, GT1543M, GT1538M

Individual Components

21-5115	Transformer, 115V Operators
21-5230	Transformer, 230V Operators
21-5460	Transformer, 380-460V Operators
21-5575	Transformer, 575V Operators
24-115-1 24-230-5	Relay, 115V 1Ph Operators Relay, 230V 1Ph Operators

OVERLOADS									
			ITEM 8	5		ITEM 9			
OPERATOR	25-2006 6 Amp	25-2008 8 Amp	25-2010 10 Amp	25-2015 15 Amp	25-2025 25 Amp	25-4002-5K 1.6-2.5 Amp	25-4003-K 2.6-3.7 Amp	25-4004-K 2.5-4.0 Amp	25-4008-K 5.5-8.0 Amp
GT5011M			•						
GT5021M	•								
GT5025M	•								
GT7511M									
GT7521M		•							
GT7525M		٠							
GT1011M				•					
GT1021M		•							
GT1023M									
GT1043M						•			
GT1053M						•			
GT1025M		•							
GT1038M						•			
GT1511M					\bullet				
GT1521M			•						
GT1523M									\bullet
GT1543M									
GT1553M									
GT1525M			•						
GT1538M							•		

ILLUSTRATED PARTS – MODEL GT



REPAIR PARTS KITS – MODEL GT

Refer to the parts lists below for replacement kits available for your operator. If optional modifications and/or accessories are included with your operator, certain components may be added or remove from these lists. Individual components of each kit may not be available. Please consult a parts and service representative regarding availability of individual components. Refer to page 11 for all repair part ordering information.

BRAKE ASSEMBLY KITS

	DN	ARE ASSEMIDLI RIIS	
7 7	F PART # 1-B120 1-B240 1-B575	FOR OPERATOR(S) 115 Volt Models 230-460 Volt Models 575 Volt Models	8
ITEM	PART #	DESCRIPTION	QTY
B1	07-10179	Brake Hub	1
B2	10-10187	Brake Solenoid Cover	1
B3	10-10190	Brake Release Lever	1
B4	10-10191	Brake Disc, Zinc Plated	1
B5	11-10192	Spring Cup for Brake Assembly	4
B6	11-10193	Brake Stud	4
B7	18-10194	Spring, Compression x .875" Long	4
B8	19-48001	Chain, #48 x 1 Pitch	1
B9	22-120	Brake Solenoid, 115V	1
	22-240	Brake Solenoid, 230-460V	1
	22-575	Brake Solenoid, 575V	1
B10	31-10186	Spacer, .20 I.D. x .31 Long	2
B11	75-10180	Brake Mounting Plate Assembly	1
B12	75-10184	Brake Pressure Plate Assembly	1
B13	80-9001	Feather Key	1
B14	82-WX10-08T	Screw, #10-32 x 1/2" Serrated Flange	8
B15	86-CP04-112	Cotter Pin, 1/8" x 1-3/4" Zinc Plate	2
B16	87-P-062	Push on Fastener, 5/8" Int. Star	1

K77-10201 HARDWARE KIT					
ITEM	PART #	DESCRIPTION	QTY		
H1	10-10203	Curved Arm	1		
H2	10-10204	Door Bracket 1			
H3	10-10205	Header Bracket 1			
H4	11-10130	Header Pivot Pin 1			
H5	75-10170	Slider Assembly 1			
H6	75-10174	Front Idler Assembly			
H7	75-10214	Straight Arm Assembly 1			
H8	75-10259	Track Spacer Assembly 2			
K75-12870 STRAIGHT AND CURVED ARM ASSY					
H1	10-10203	Curved Armbly	1		
H7	75-10214	Straight Arm Assembly 1			

	INDIVIDUAL PARTS						
	ΓEΜ	PART #	DESCRIPTION	QTY			
1	1	10-10446	MTG. Bracket, Elec Box-Brake	1			
	2	10-10447	MTG. Bracket, Elec Box-Reducer	1			
	3	27-10188	Double BX Connector	1			
	4	28-10218	Conduit, 3/8"	1			
	5	28-10219	Connector, 90 degree	1			
	6	28-10220	Bushing, Anti-Short	1			
	7	32-10540	Gear Reducer	1			
	8	See Page 17	Electrical Box Replacement Kit	1			
	9	See Page 17	Motor Replacement Kit	1			
	10	10-10536	Frame	1			
	K72-12859 DRIVE SHAFT ASSEMBLY KIT						
	ΓEM D1	PART # 11-10537	DESCRIPTION Drive Shaft	QTY 1			
	D2	12-12004	1" Ball Bearing	2			
	D2 D3	12-12004 15-40B19LGF	C C	1			
	D3 D4			1			
	D4 D5	15-41B12LXX Sprocket, 41B12 x 1" Bore		1			
	D5 D6	15-48B18LGE 19-40047M	Sprocket, 48B18 x 1" Bore	1			
	-		Drive Chain, #40 w/ Master Link Limit Chain, #48 w/ Master Link	1			
	D7 D8	19-48069M 80-207-23	,	2			
	D8 D9	82-RN31-08	Key, 3/16" x 3/16" x 1-3/8"	4			
	D9 010	84-FN-31	Carriage Bolt, 5/16-18 x 1/2" Nut, 5/16-18 Serrated Flange	4			
	-		•				
			ORQUE LIMITER ASSEMBLY K				
	ΓEM C1	PART # 07-10534	DESCRIPTION Hub, Torque Limiter	QTY 1			
	C2		Clutch Pressure Plate	2			
		18-10539	Belleville Washer	4			
	C4		Clutch Disc	2			
	C5			1			
			Sprocket Assy, 40A25				
	C6 80-207-19 Key, 1/4" x 1/4" x 1-1/2" C7 84-JH-150 Hex Jam Nut, 1-1/2"-12		1				
Т	K72-18989 IDLER SHAFT ASSEMBLY KIT ITEM PART # DESCRIPTION Q		QTY				
	S1	11-18948	IDLER SHAFT	1			
	S2	12-10172	BEARING	1			
	S3	17-10173	PULLEY	1			
	S4	82-HN38-12	HEX BOLT, 3/8-16" X 3/4" LONG	2			
	S5	85-FW-38	FLATWASHER, 3/8"	2			
	S6	85-LS-38	LOCKWASHER, 3/8"	2			
	S7	87-E-075	E-RING	2			
DR	DRIVE CHAIN KITS						
	#41 DOOR DRIVE CHAIN						

DOOR TRACK		#41 DOOR DRIVE CHAIN	
PART #	DESCRIPTION	PART #	
10-5808	Track, 11' Length	19-5112	
10-5810	Track, 13' Length	19-5112	
10-5812	Track, 15' Length	19-5112	
10-5814	Track, 17' Length	19-5114	
10-5816	Track, 19' Length	19-5116	
10-5818	Track, 21' Length	19-5118	
10-5820	Track, 23' Length	19-5120	
10-5824	Track, 27'-6" Length	19-5124	
10-5824	Track, 27'-6" Length	19-5124	
	PART # 10-5808 10-5810 10-5812 10-5814 10-5816 10-5818 10-5820 10-5824	PART # DESCRIPTION 10-5808 Track, 11' Length 10-5810 Track, 13' Length 10-5812 Track, 13' Length 10-5814 Track, 17' Length 10-5816 Track, 19' Length 10-5818 Track, 21' Length 10-5820 Track, 23' Length 10-5824 Track, 27'-6" Length	

DOOR TRACK AND

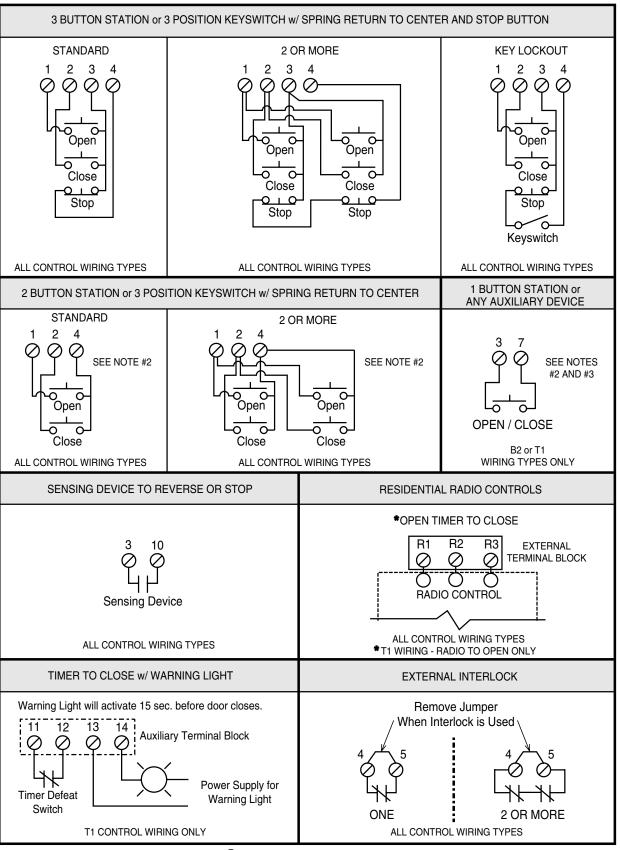
CONTROL CONNECTION DIAGRAM

IMPORTANT NOTES:

- 1) The 3-Button Control Station provided must be connected for operation.
- 2) If a STOP button is not used, a jumper must be placed between termianls 3 and 4.
- Auxiliary control equipment may be any normally open two wire device such as pullswitch, single button, loop detector, card key or such device.

ATTENTION ELECTRICIAN:

USE 16 GAUGE OR HEAVIER WIRE FOR ALL CONTROL CIRCUIT WIRING.



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