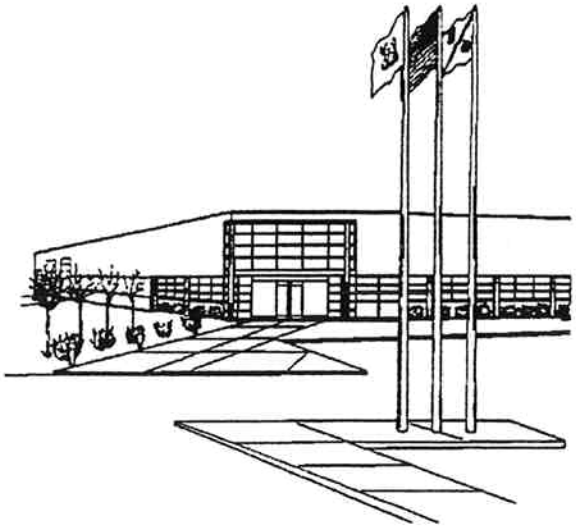
GYRO TECH

1175 WHISPER SLIDE

INSTALLATION MANUAL



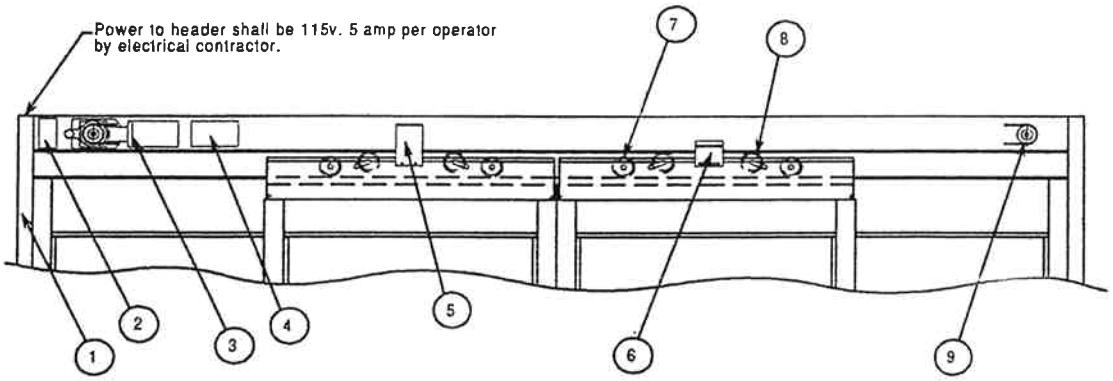
TOOL LIST

7/16" WRENCH BOX OR OPEN END
9/16" WRENCH AND SOCKET
15/16" OPEN END WRENCHES (2 REQUIRED)
3/8" SOCKET
PHILPHS SCREW DRIVERS P-2, P-3
SMALL AND MEDIUM SLOTTED SCREW DRIVERS
HAND DRILL
DRILL BITS
- 1/8"
- 1/4" MASON
- 82° COUNTERSINK

GYRO TECH
ENTRANCES
LANSON INDUSTRIES INC.

PN 158360
REV 5/2/96
REV 7/22/96

THE MANUFACTURE SUGGESTS THAT THIS MANUAL SHOULD BE GIVEN TO THE END USER FOR REFERENCE PURPOSES.



1. JAMB TUBE
2. POWER CUT OFF SWITCH
3. OPERATOR
4. CONTROL
5. BELT CLIP (UPPER)
6. BELT CLIP (LOWER)
7. ROLLER
8. ANTI-RISER
9. IDLER

MASONRY OPENING (M.O.)

1 Check floor across entire opening. Make sure installation area is level.

2 Allow for tile or other materials that may change floor height.

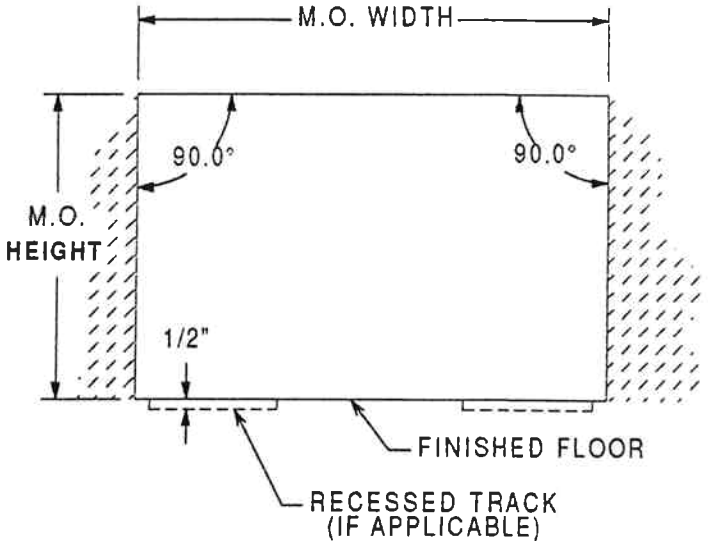
3 Check Track Recesses if used (Ref. Fig 3).

4 M.O. width should be package width plus 1/4" per side.

5 Sweep floor.

6 System 1175-WS Electrical Requirements shall be 115v. 5 amp per operator.

Figure 2



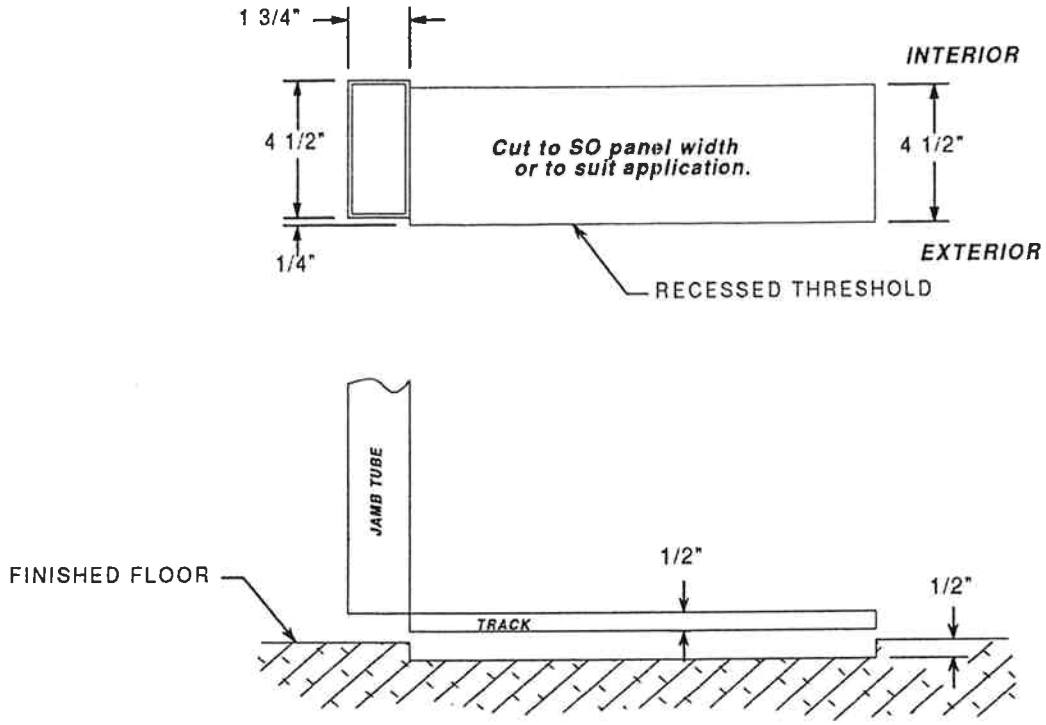


FIGURE 3

FRAMING AND HEADER ASSEMBLY

1 Place header on a flat surface with removable cover facing up. Protect header from scratches.

2 Remove cover (Ref. Fig. 5).

3 Position jamb tubes on each end of header and fasten with 1/4-20 bolts into rivenuts in jambs. Check removable label on jamb for proper positioning.

.4 Lift header into position.

5 Check header height from the highest point of finished floor.

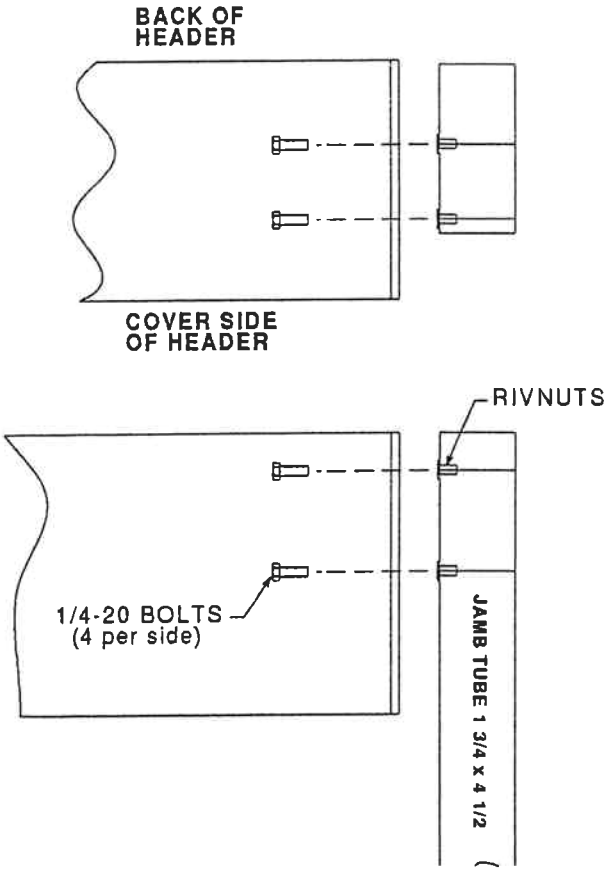
6 Level header track. If required, shim under appropriate jamb.

7 Plumb one jamb tube in both planes. If required, shim back of jamb (Ref. Fig. 6). Fasten jamb.

8 Plumb and securely fasten other jamb.

9 Recheck level of header and its height from highest point from finished floor. If not correct, fix it before going on.

Figure 4



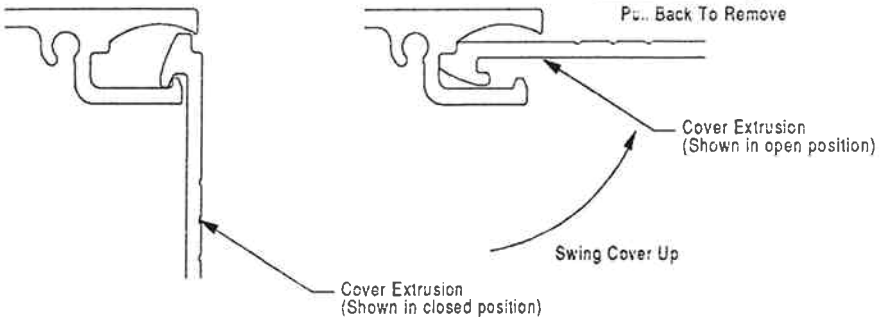
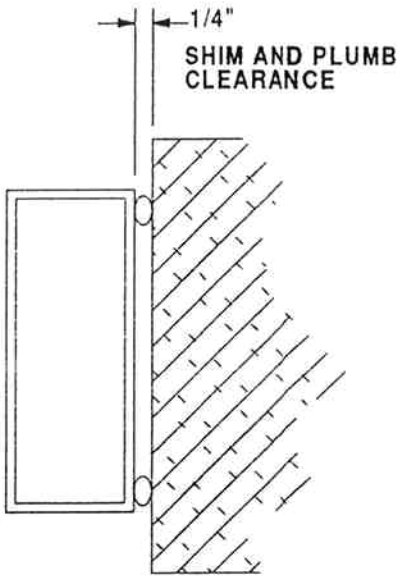


Figure 5

Figure 6



FLOOR TRACK OPTIONS

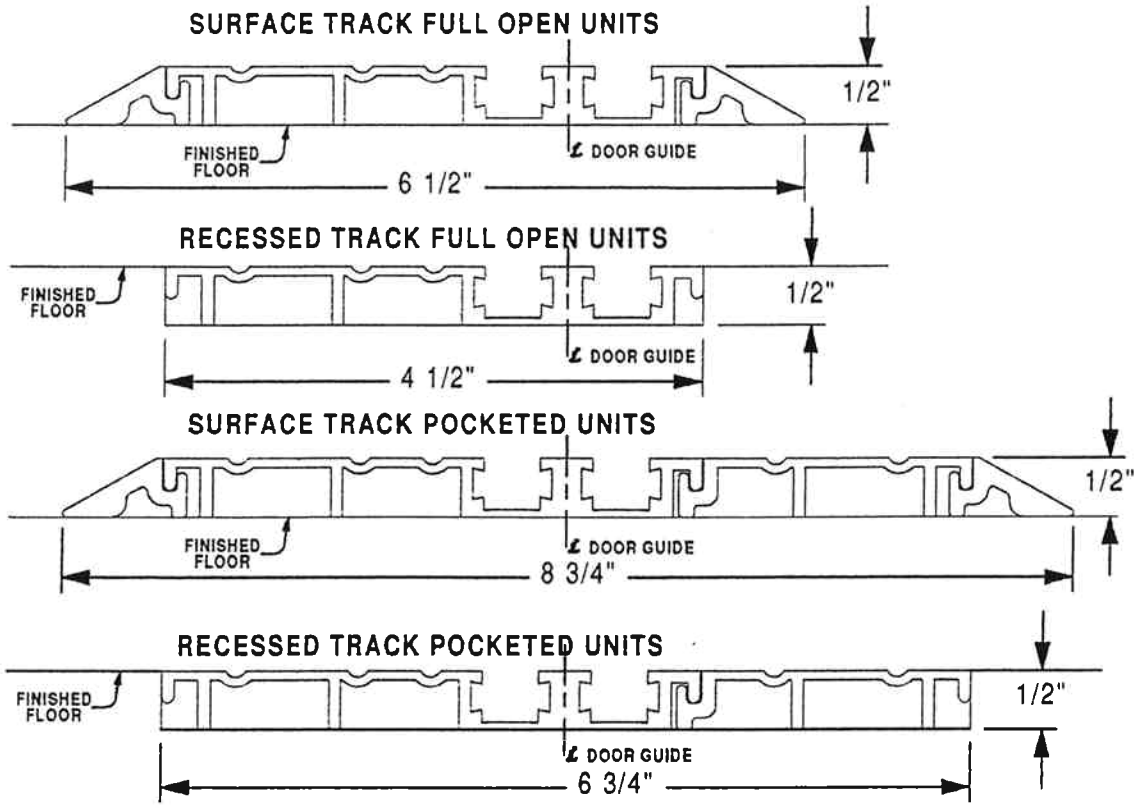
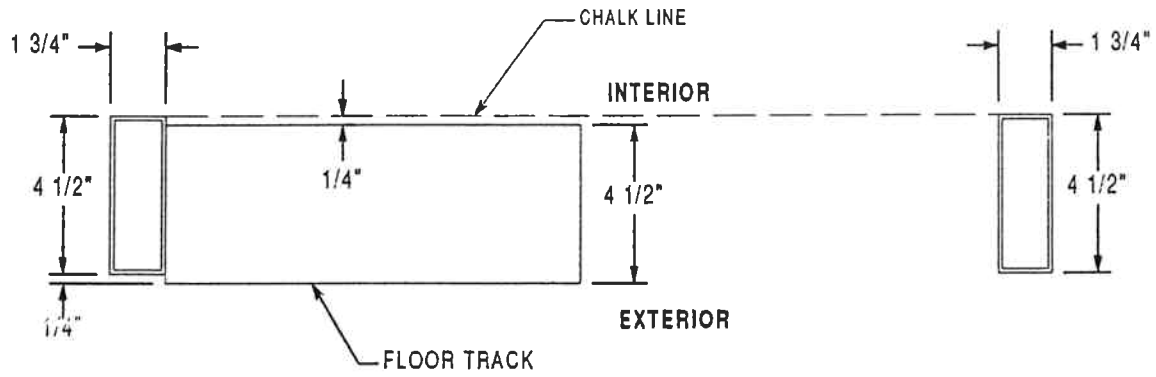


Figure 7

INSTALLATION OF TRACK

1 Snap a chalk line on floor from jamb to jamb (Ref. Fig. 8).

Figure 8



2 Floor track is factory cut to SO panel width. Extending the floor track across the entire opening is optional.

Note:

When extending floor track across entire opening, the clear opening of unit should have the gaps in track filled with filler extrusion.

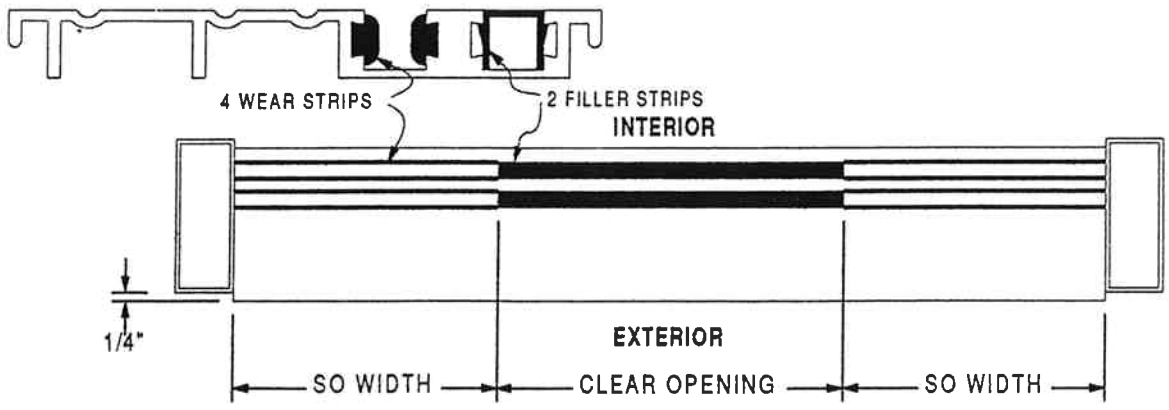


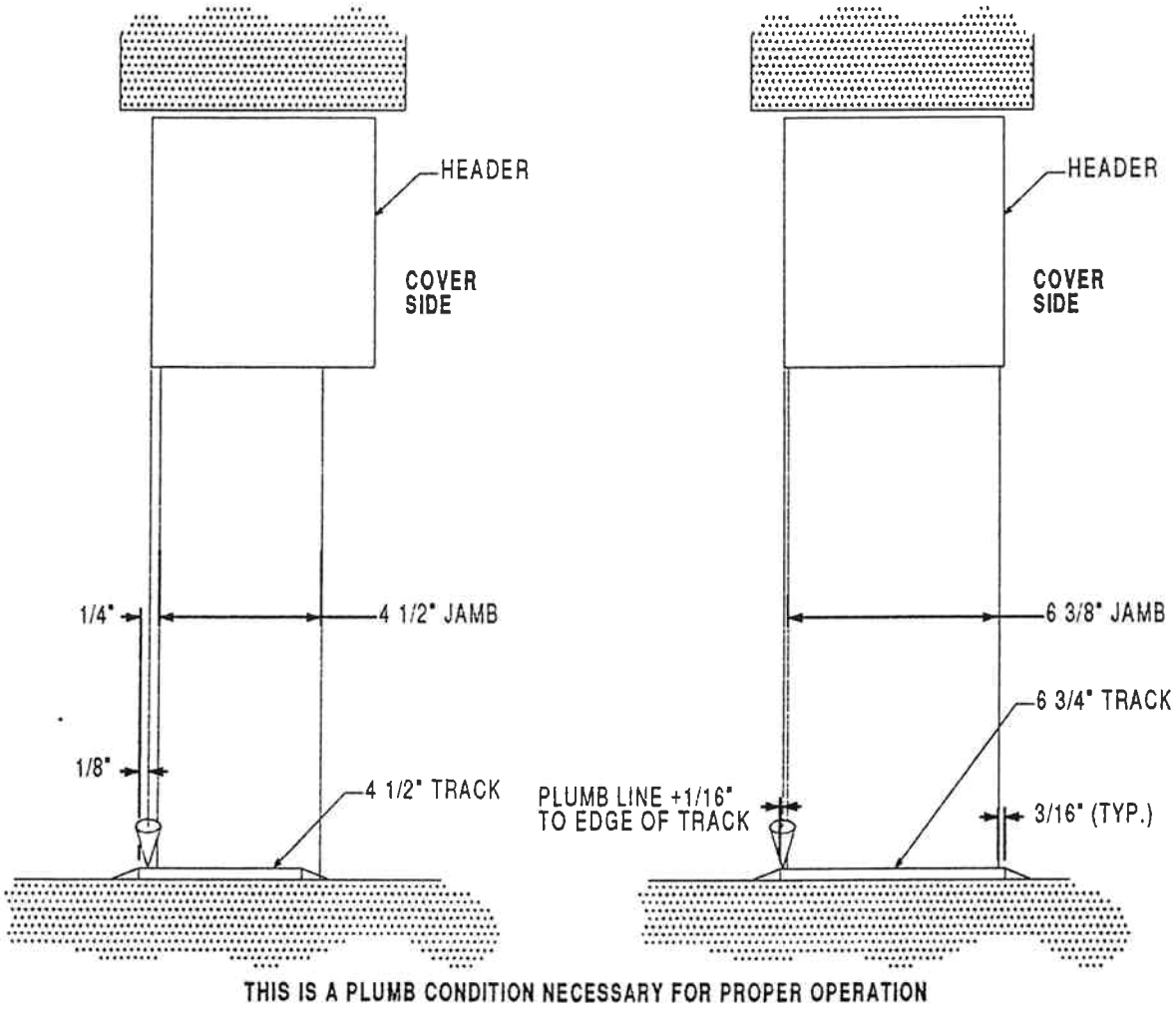
Figure 9

3 Check floor track location with plumb bob from header (Ref. Fig. 10).

4 Drill thru holes in track into floor and fasten.

5 Install swing panel pivot and fasten (Ref. Fig. 11).

Figure 10



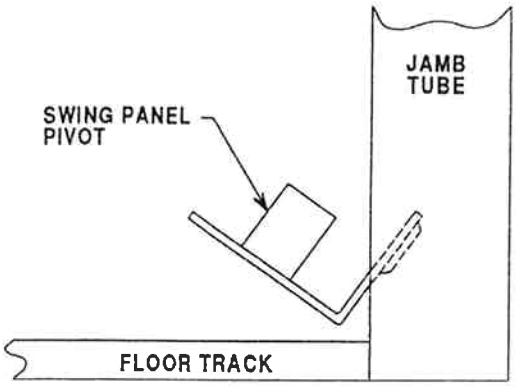


Figure 11

INSTALLING SWING PANEL

1 Remove Control Panel Switch Assembly before installing panel (Ref. Fig. 12).

2 Position swing panel over bottom pivot. Route Control Panel Harness past swing panel top pivot (Ref. Fig. 14).

3 Retract top pivot by pushing retracting pin down and align with hole in header.

4 Allow pivot pin to snap into hole. Make sure it fully engages hole. If necessary push up on retracting pin.

5 Install limit arm.

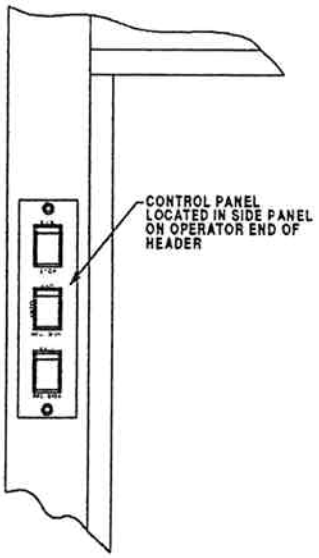


Figure 12

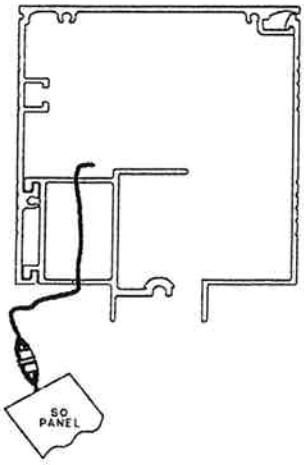


Figure 13

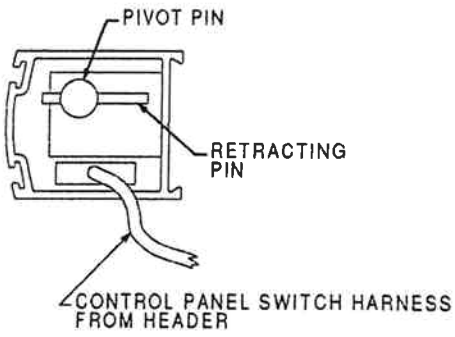


Figure 14

6 Adjust both ball detents so they lightly contact header and track surfaces.

7 Open and close swing panel several times to score surface.

8 Where score intersects first centering groove drill 1/4" and counter sink 3/8" x 82 degrees (Ref. Fig 15).

9 Readjust ball detents for proper break out resistance to meet ANSI A156.10 or local code.

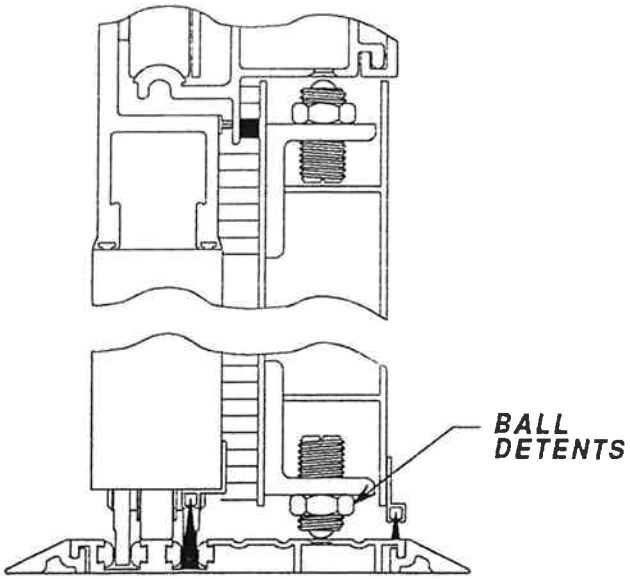


Figure 15

INSTALLING FIXED PANEL

1 Remove Control Panel Switch Assembly before installing panel (Ref. Fig. 12).

2 Align back end of Fixed Panel with brackets on jamb tube. Route any wires at this time.

3 Position panel on to brackets and fasten (Ref. Fig. 16).

4 Install floor bracket into panel. Plumb panel and fasten bracket to floor (Ref. Fig. 17).

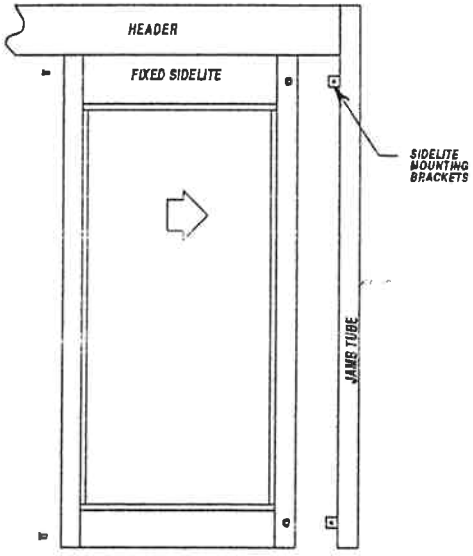


Figure 16

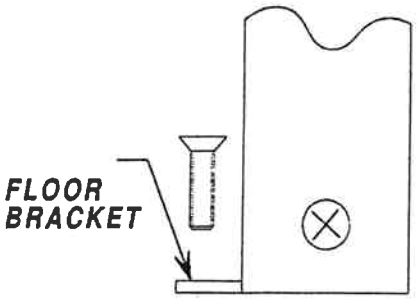


Figure 17

INSTALLING SLIDE DOOR

1. Loosen hanger roller and anti-riser nuts.

2. Mount door on to track. **Do not panic door until all adjustments are made.**

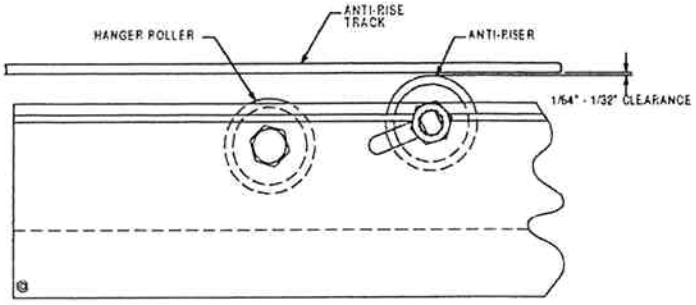


Figure 18

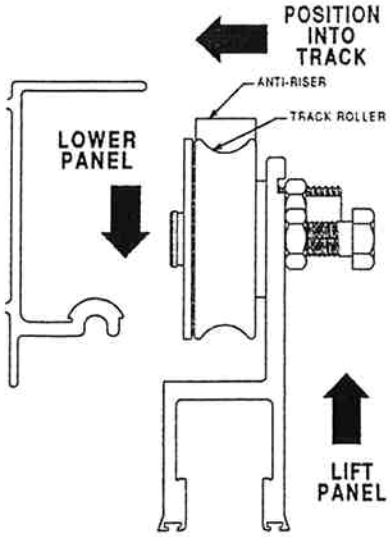


Figure 19

ADJUSTMENT OF DOOR

1. Door height from finished floor is adjustable from 1 1/4" - 1 ½".

2. The lead stiles should meet with no gap top or bottom. BiPart meets opposite panel. Single meets jamb tube.

3. Lock hanger rollers and set anti-risers so there is a 1/64" to 1/32" gap between anti-riser wheel and anti-riser track.

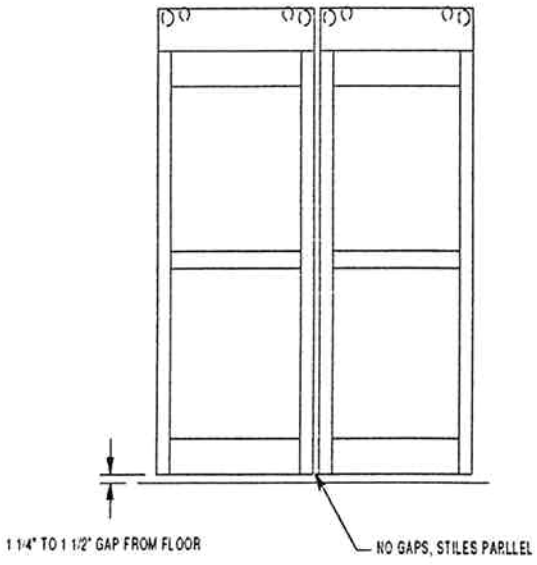


Figure 20

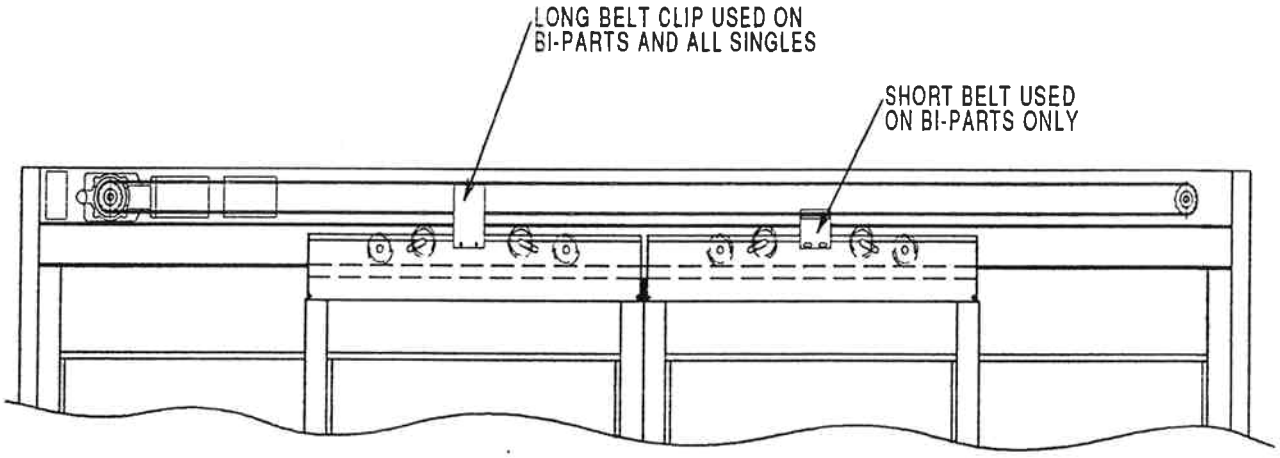
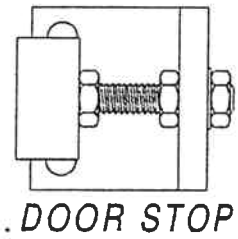


Figure 21

4. Attach belt clip(s).

Figure 22



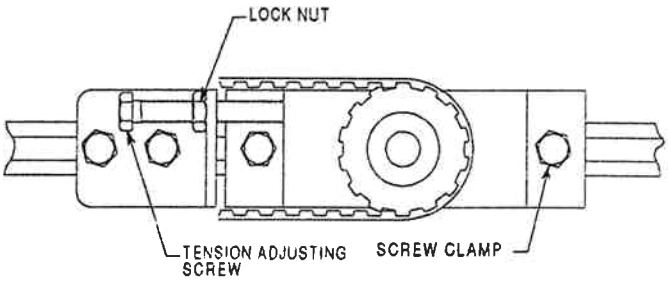


Figure 23

5. Adjust door stop so there is 3/8" gap from face of glass stop to face of sidelite (Ref. Fig. 24). In some cases door stop will be mounted on jamb tube.

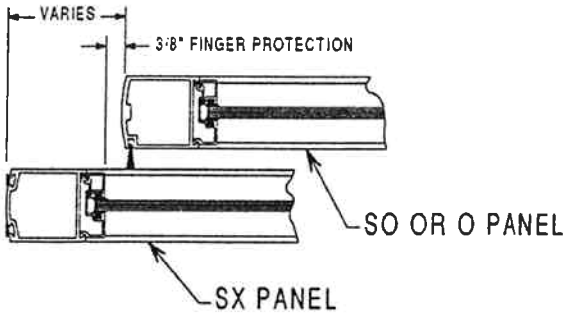


Figure 24

INSTALL GLASS BEFORE ADJUSTING PRE-LOAD

1. Swing door open to check door sag. Adjust if needed.

2. Loosen locking bolts.

3. Adjust door sag with set screw on end of door. Door should latch without having to push up or pull down on panel.

4. Tighten locking bolts.

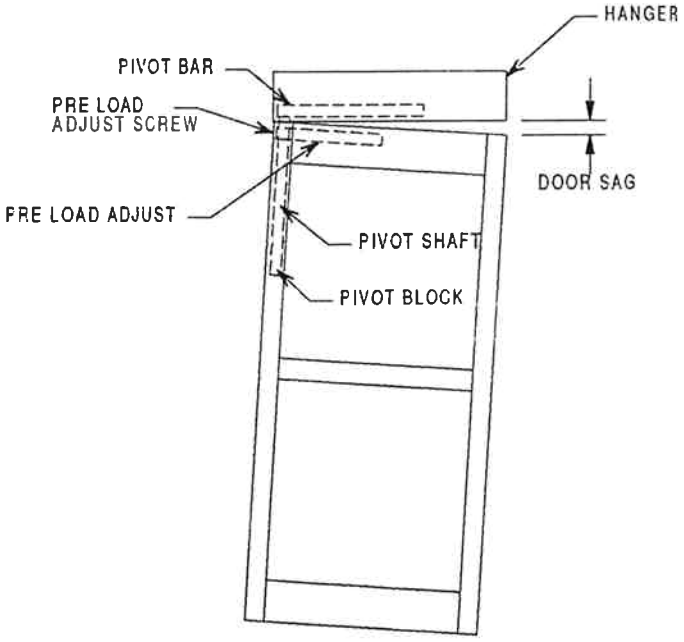


Figure 25

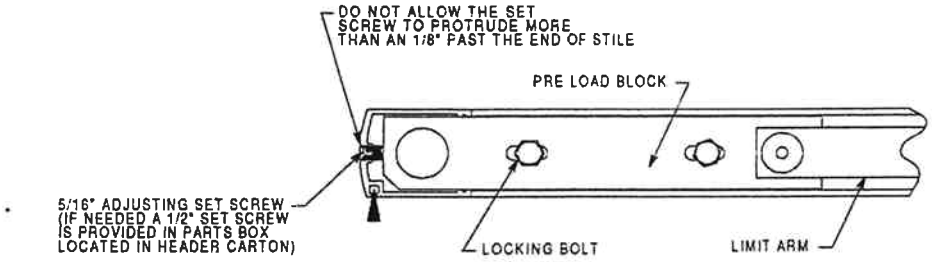


Figure 26

BOTTOM SWEEP SETUP

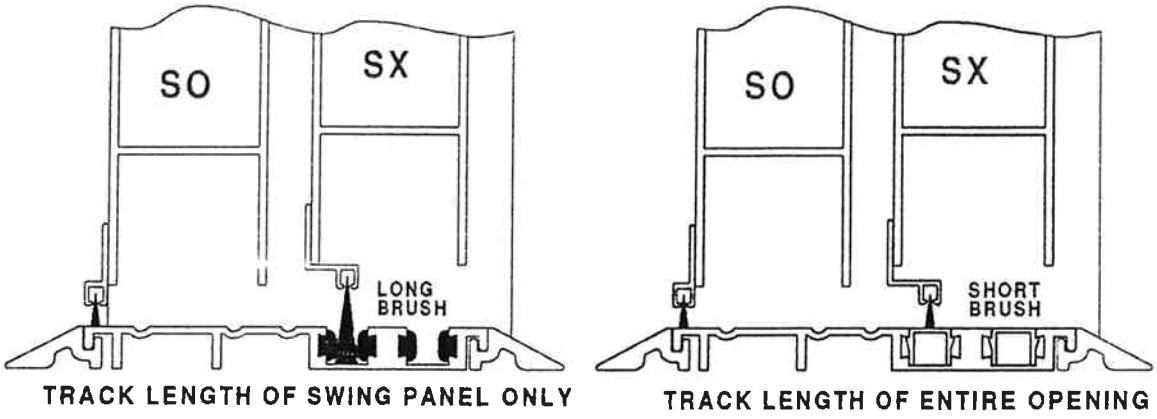


Figure 27

ELECTRICAL INFORMATION

Since the Model 1175 Slider is predominantly wired at the factory the site installer/electrician has a relatively simple task.

Convenient electric service access holes have been provided in the slide header end caps and jamb tubes (Ref. To Fig. 5). An electrician should route 120 VAC, single phase, 5 amp (minimum) power to the factory supplied and mounted junction box inside the header. **Before making any connections be sure power is off to the junction box.** The electrician should connect one power hot lead (black) to the Power cut Off Switch (Ref. To Fig. #5) mounted inside the junction box. Utilizing an appropriate wire nut, the electrician should connect the remaining common lead (white) to the loose common lead (white) found inside the junction box. If holding beams are included with the door system, two common leads (white) will be inside the junction box. The second common lead (white) is used to connect a 40 VA class 2 transformer for use with the holding beams. Replace the junction box cover. The unit should now be ready to turn on the power and proceed with performance set-up procedures outlined in the Microprocessor and Handy Terminal Manual (P/N 159000).

MICROPROCESSOR CONTROLLER

The microprocessor Controller has been designed to control the numerous operating characteristics of the slide door system including speed, recycling, door opening width, etc. (Reference manual 159000 for more details).

HOLDING BEAMS (OPTIONAL)

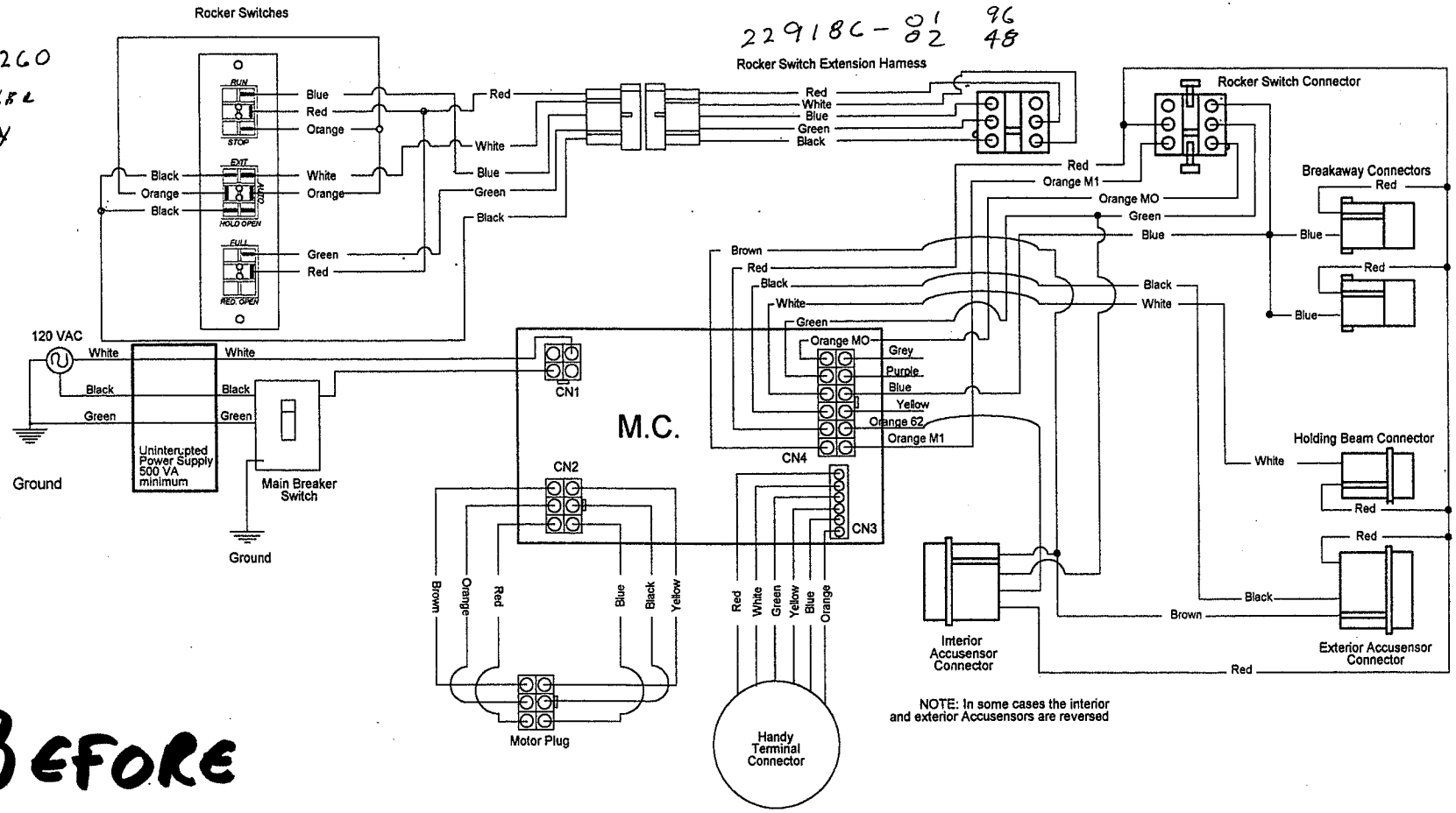
The holding beam is a Factory installed unit consisting of an emitter and a detector. They are flush mounted in opposite door frames, facing each other. A pulsed, infrared light beam is continuously transmitted across the door opening. Interruption of the beam causes a relay switch closure. This single will travel back to the microprocessor controller causing the doors to open and remain open until the object or person is out of the way. The beam is automatically reset.

TYPICAL SLIDER WIRING

Wiring diagrams P/N's 249173 and 239174 reflect the typical primary and secondary circuits installed at the factory. The low voltage (12VDC) Reed Switch (Panic Breakaway) and Acusensor are easily connected on site using factory installed connector housings. The factory uses UL Recognized Component wire, terminals, and connector housings to manufacture the slider. Contact the Customer Service Department for assistance with special applications.

219260
ROCKER
ASSY

229180-01 96
02 48



BEFORE
4-04

1175 Microprocessor
Basic Wire Diagram

REVISIONS	DATE

DATE: 2-21-97
SCALE: NTS
DRAWN BY: GN
APP. BY:

TOLERANCES
(UNLESS NOTED)
FRACTIONAL ..... ± 1/64
.XX ..... ± .010
.XXX ..... ± .005
ANGLES ..... ± 1/2°

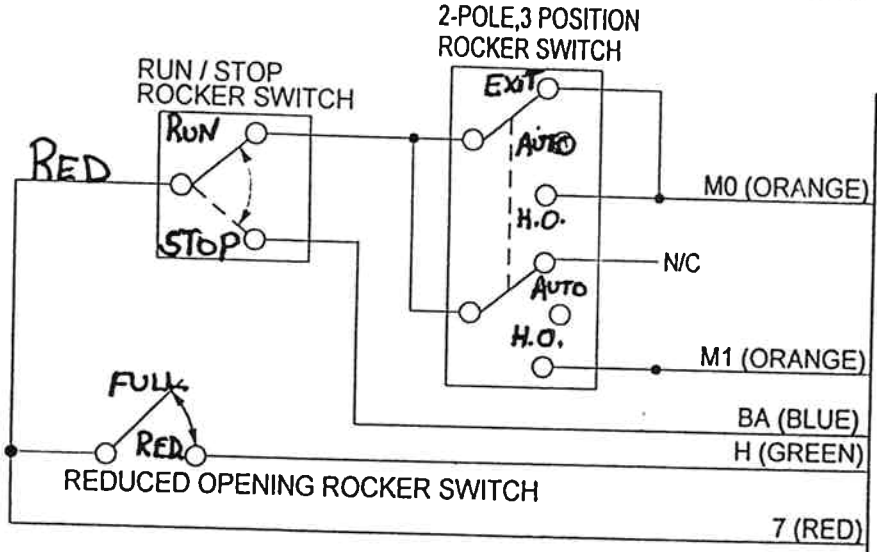
PART NAME: 1175 Microptocessor Basic Wire Diagram
MATERIAL: XXX
SPECIFICATIONS: XXX

GYRO TECH
ENTRANCES
LANSON INDUSTRIES INC.

DRAWING NO.

PART NO.
239173

C:\Overview.VCD 2/21/1997



GYRO TECH - 248901
MICROPROCESSOR CONTROLLER

No

POWER SOURCE (4P)

NO	COLOR	USE
1		EMPTY
2	WHITE	115VAC COMMON
3	BLACK	115VAC HOT
4		EMPTY

OPERATOR (6P)

NO	COLOR	USE
1	RED	MOTOR V PHASE
2	ORANGE	ENCODER 12VDC
3	BROWN	ENCODER A PHASE
4	BLUE	MOTOR U PHASE
5	BLACK	ENCODER GND
6	YELLOW	ENCODER B PHASE

FUSE INSIDE
RATING:125V, 4A
SIZE:5.2 x 20mm

WARNING
For continued protection against fire, replace only with same type and rating of fuse

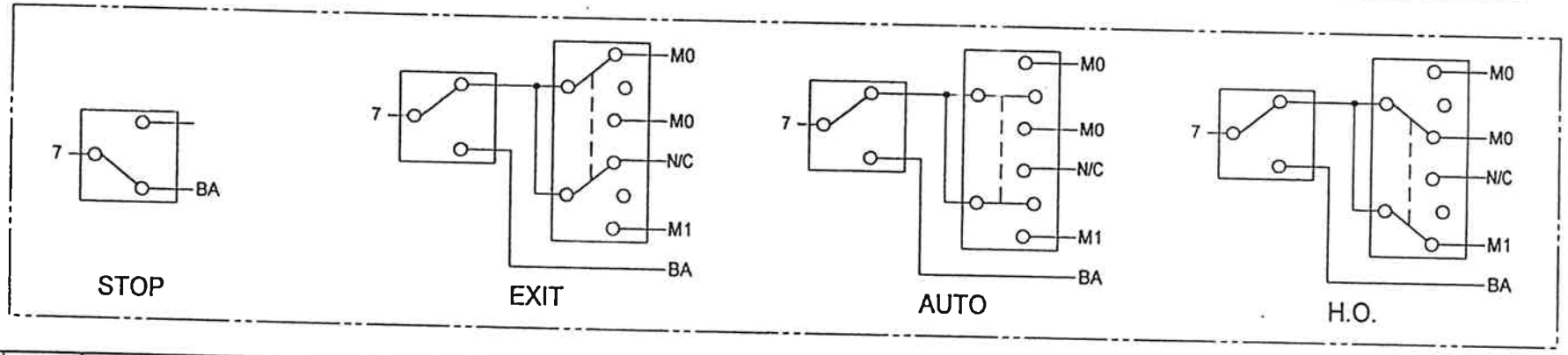
CAUTION
1. Please adjust this operator as per instruction manual.
2. Turn the power off, before opening the box.
3. Don't open this box except for replacing fuse. Otherwise, the warranty will be terminated.
4. Repair of this unit except by Lanson Industries, Inc. may cause software and hardware malfunction.

HANDY TERMINAL (6P)

SENSOR (12P)

NO	SYMBOL	COLOR	USE [SLIDER/SWINGER]
1	90C12V	BROWN	12VDC +
2	7	RED	12VDC - COMMON
3	61	BLACK	APPROACH
4	68	WHITE	THRESHOLD SENSING /PRESENCE SENSOR
5	H	GREEN	REDUCED OPENING /SAFETY MAT
6	M0	ORANGE	MODE SW1
7	M1	ORANGE	MODE SW2
8	62	ORANGE	APPROACH(THROUGH)
9	SQ	YELLOW	SEQUENTIAL
10	BA	BLUE	BREAK OUT
11	OUT +	VIOLET	OUTPUT +
12	OUT -	GRAY	OUTPUT -

GYRO TECH
ENTRANCES
LANSON INDUSTRIES INC



H	M0	M1	Mode
OFF	OFF	OFF	AUTO(FULL OPEN)
ON/OFF	OFF	ON	OFF
OFF	ON	OFF	EXIT(FULL OPEN)
ON/OFF	ON	ON	HOLD OPEN
ON	OFF	OFF	AUTO(REDUCED OPEN)
ON	ON	OFF	EXIT(REDUCED OPEN)

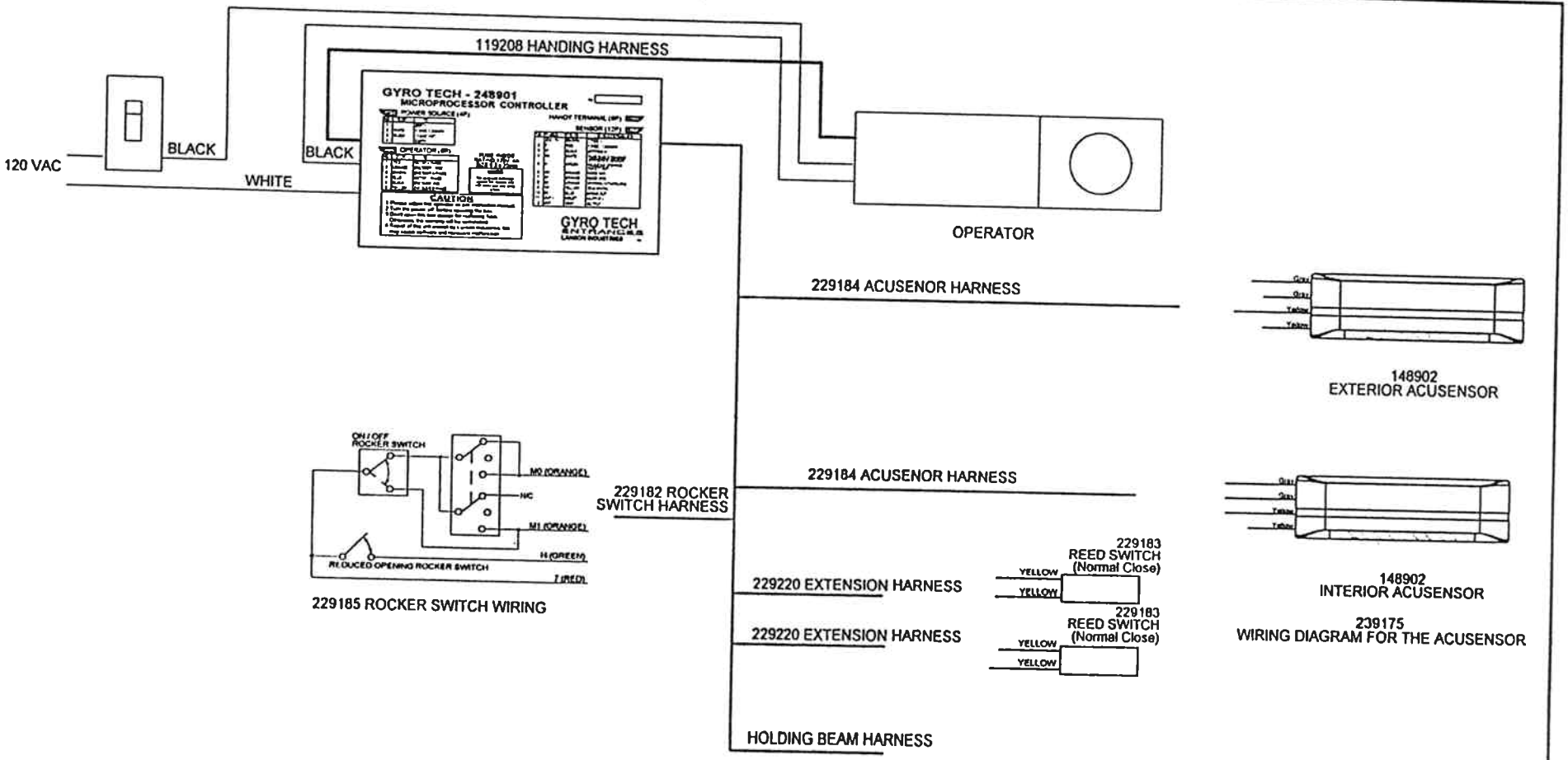
REVISIONS	DATE

DATE: Jan. 24, '96
SCALE: -
DRAWN BY:
APP. BY:
TOLERANCES (UNLESS NOTED)
X . . . ± .030
XX . . . ± .010
XXX . . . ± .005
ANGLES ± 1/2°
SHEET NO.: 1 of 1

PART NAME: WIRING DIAGRAM FOR Microprocessor Controller
MATERIAL: ***
SPECIFICATIONS: ***

GYRO TECH
ENTRANCES
LANSON INDUSTRIES INC.

DRAWING NO. MCW-015
PART NO. 239174A



REVISIONS	DATE

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APP. BY:

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(UNLESS NOTED)
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XX ± .010
XXX ± .005
ANGLES ± 1/2°

PART NAME: Wiring Diagram System 1175
MATERIAL: XXX
SPECIFICATIONS: XXX

GYRO TECH
ENTRANCES
LANSON INDUSTRIES INC

DRAWING NO.

PART NO.
239173