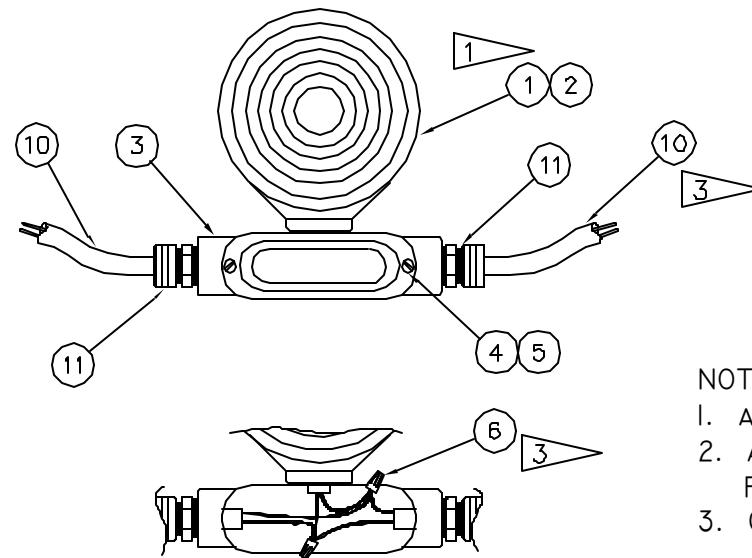
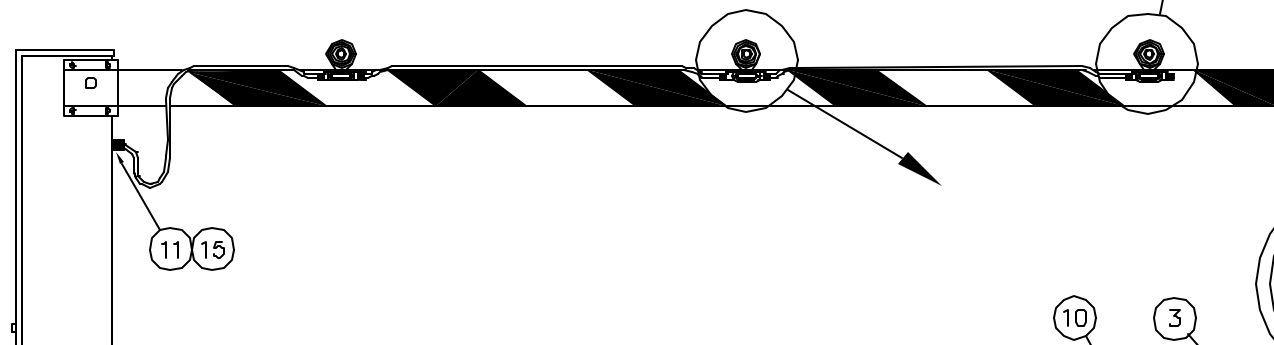
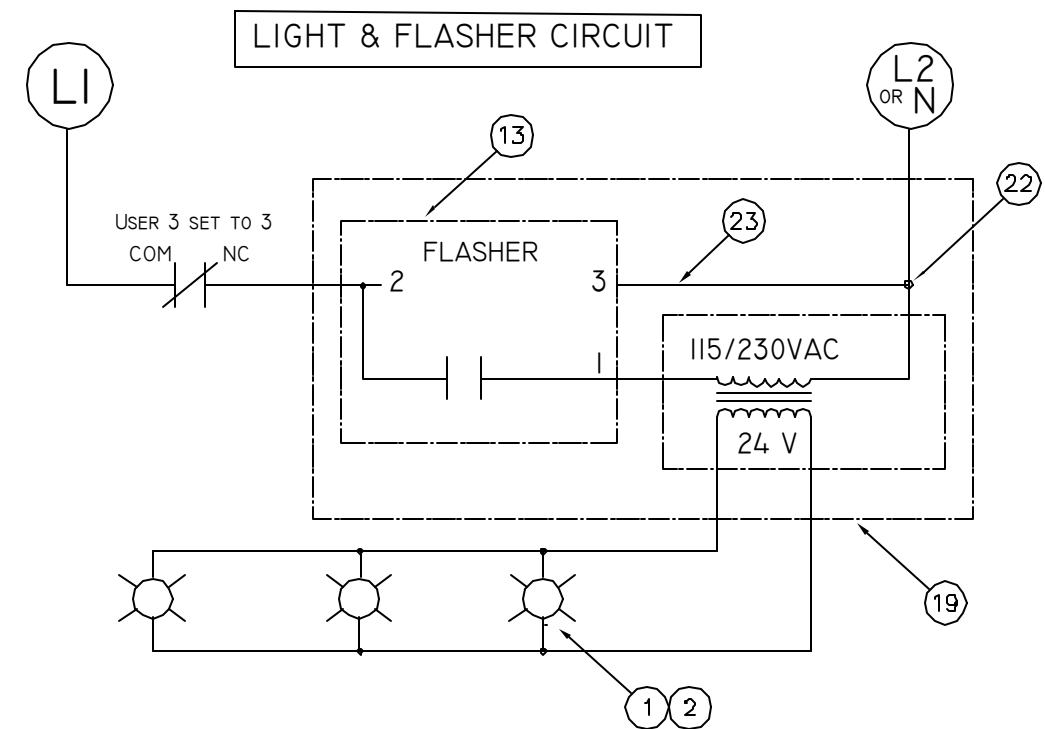
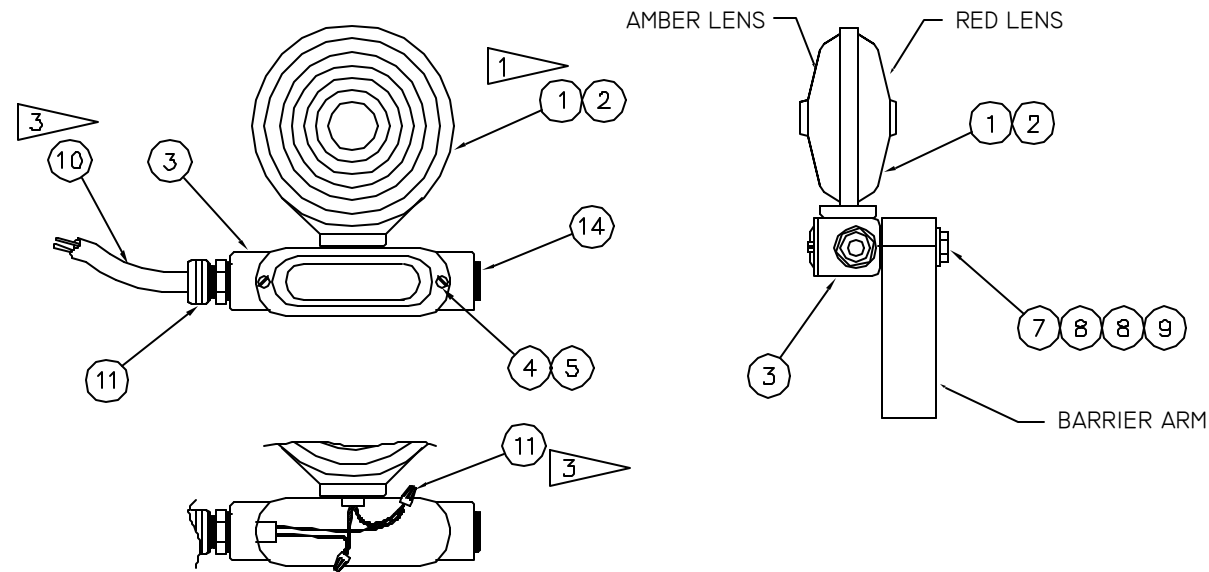


AEKLI 001 (FIRST LIGHT & ATTACHMENT TO HTG)			
ITEM	QTY	PART NO.	MATERIAL
1	1	EACLI 001 W	LIGHT FIXTURE, #3862
2	1	EACLI 024	BULB, 24V
3	1	EACLI 001 MT	ENCLOSURE, WRNG.LIGHT MNT.
4	1	EACLI 001 MTCV	COVER, WRNG.LIGHT MNT.
5	1	EACLI 001 MTGS	GASKET, WRNG.LIGHT MNT.
6	2	ECOWN 016	WIRE NUT, ORANGE-IDEAL
7	2	MFACS 004 044	HHCS, 1/4"-20 UNC X 1-3/4"
8	8	MFAWA 004	WASHER, SAE, 1/4
9	5	MFAHN 004	NUT, NYLOCK, HEX, 1/4"-20 UNC
10	18	ECOWI 162	WIRE, SJOW, 16-2, EXCEL BND
11	2	ECOGR 001 194	GRIP, CORD, NON-METALIC, 1/2"
12	1	ETRTR 024 075	TRANSFORMER (4 LIGHTS MAX)
13	1	EECFL 240	SOLID STATE TIMER / FLASHER 240V
14	1	EACLI 001 PLUG	PLUG, 1/2 NPT PIPE (FOR CONDUIT END)
15	1	ECOFI 005 500	FITTING, LOCKNUT, 1/2 APPLETON
16	2	MFAPH 050 0632	SCREW, SELF-TAP, P.HD., 6-32 X .5
17	1	MFACS 004 020	HHCS, .25-20 X 1.25
18	2	MFACS 004 008	HHCS, .25-20 X .5
19	1	ESR00094	ENCLOSURE, 6X4X4, HOFFMAN A-6044SC
20	1	ESR00096	BACK PANEL, 6X4X4, HOFFMAN A-6P4
21	2	ECOFI 003	FITTING, 3/8 ROMEX/REGAL
22	1	ECOWN 014	WIRE NUT, YELLOW-IDEAL
23	1	EI4BLK09 002 00	WIRE, 14 GA., 9" L, w/ 1/4 FEMALE
24			

REV	DESCRIPTION	DATE	APPR
A	ADDED BOM; CORRECTED PARTS	09/30/04	JEF

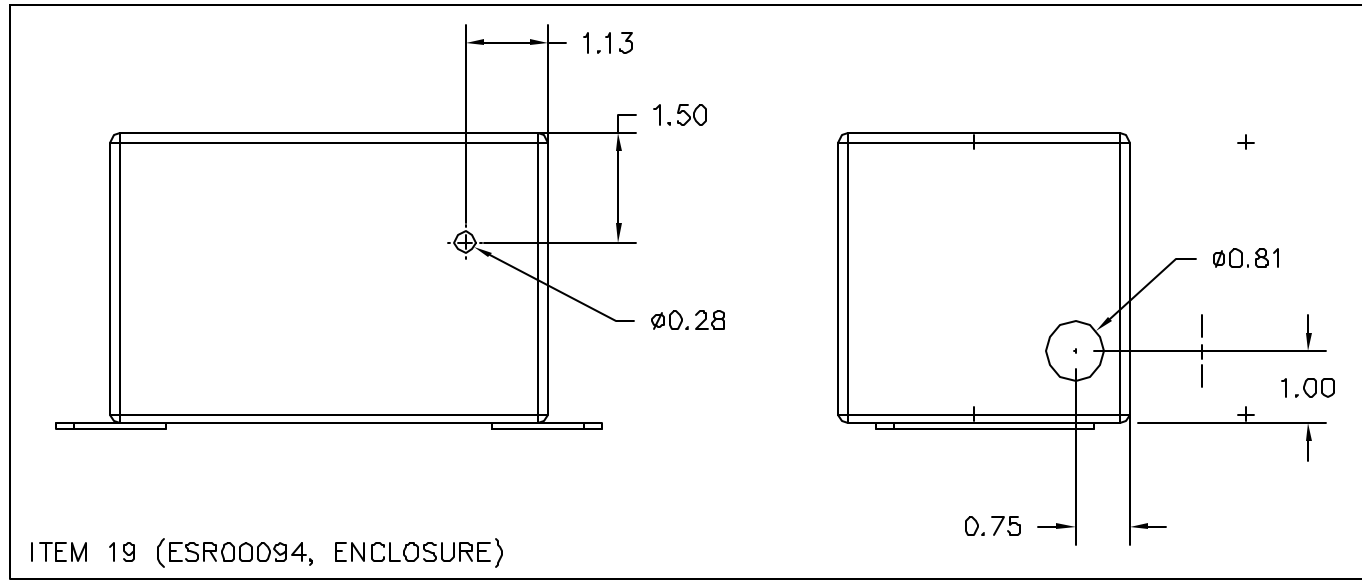
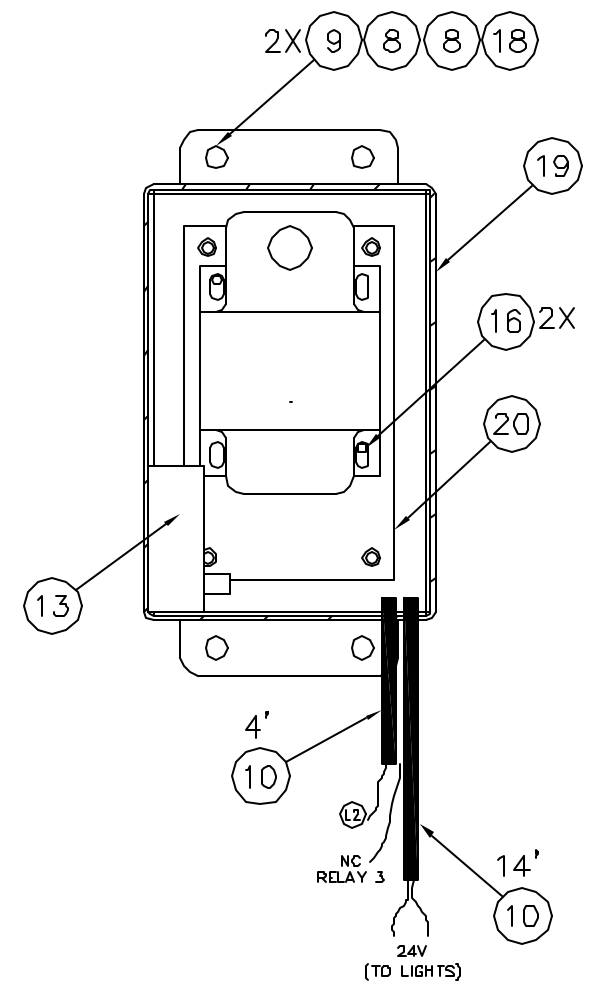
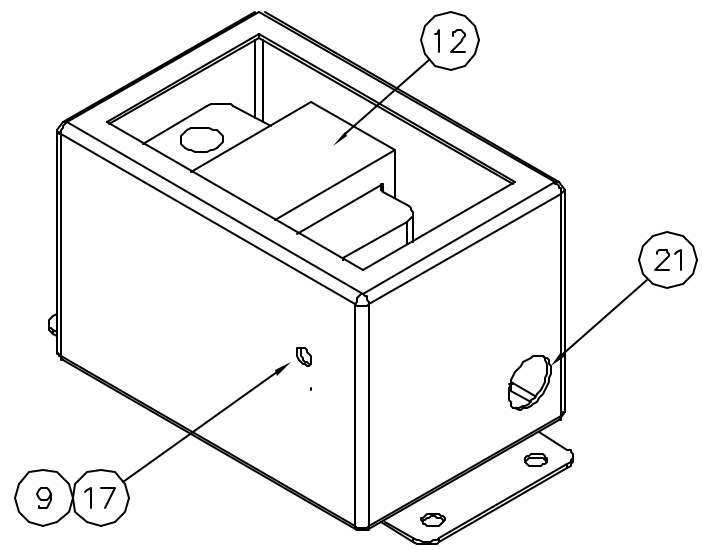
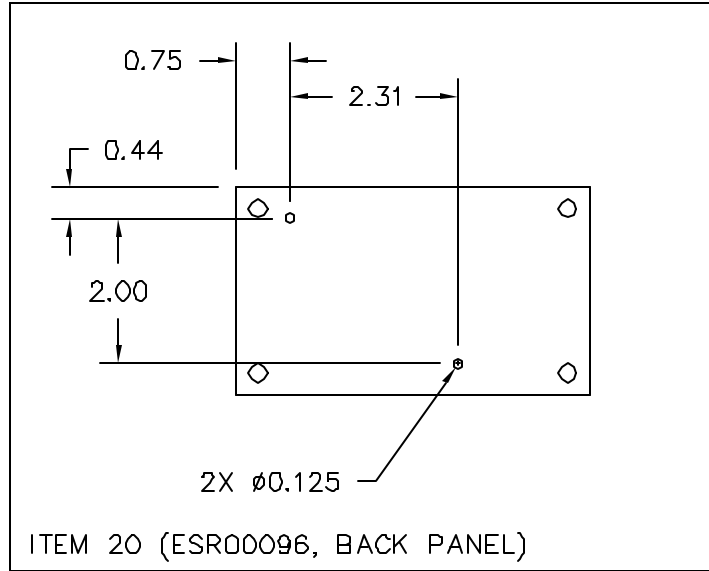


AEKLI 001 ADD (REQUIRED FOR EACH ADDITIONAL LIGHT)			
ITEM	QTY	PART NO.	MATERIAL
1	1	EACLI 001 W	LIGHT FIXTURE, #3862
2	1	EACLI 024	BULB, 24V
3	1	EACLI 001 MT	ENCLOSURE, WRNG.LIGHT MNT.
4	1	EACLI 001 MTCV	COVER, WRNG.LIGHT MNT.
5	1	EACLI 001 MTGS	GASKET, WRNG.LIGHT MNT.
6	2	ECOWN 016	WIRE NUT, ORANGE-IDEAL
7	2	MFACS 004 044	HHCS, 1/4"-20 UNC X 1-3/4"
8	4	MFAWA 004	WASHER, SAE, 1/4
9	2	MFAHN 004	NUT, NYLOCK, HEX, 1/4"-20 UNC
10	14	ECOWI 162	WIRE, SJOW, 16-2, EXCEL BND
11	2	ECOGR 001 194	GRIP, CORD, NON-METALIC, 1/2"

- NOTES:
1. ALWAYS CHANGE ORIGINAL BULB (#1076, 200 HRS, 1.8 AMPS) TO EACLI 024 (24V)
 2. ADJUST ELECTRIC FLASHER (ITEM 1) TO RATE OF ONE FLASH PER 1-10 SECONDS AT 50% ON / 50% OFF RATIO.
 3. CONNECT ADDITIONAL LIGHTS IN PARALLEL.

<small>UNLESS OTHERWISE SPECIFIED TOLERANCES ON DIMS ARE DECIMAL</small> 2 PLS (0.XX) = ±.02 3 PLS (0.XXX) = ±.005 ANGLES = ±0.5°	<small>COPYRIGHT © 2000 HY-SECURITY GATE, INC. THIS DOCUMENT CONTAINS CONFIDENTIAL & TRADE SECRET INFORMATION. BY ACCEPTING THIS DOCUMENT THE RECEIVER AGREES THAT, UNLESS AUTHORIZED IN WRITING BY HY-SECURITY GATE, INC. IT WILL NOT DISCLOSE TO THIRD PARTIES EITHER THIS DOCUMENT OR THE TRADE SECRET INFORMATION CONTAINED HEREIN, AND WILL UPON DEMAND RETURN THIS DOCUMENT, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.</small>		MAS 90 KIT, 1 LIGHT, FLASHER, HTG TITLE KIT, 1 LIGHT, FLASHER, HTG 320(relay) & STRONGARM(Smart Touch)	B	DRAWN KERI	DATE 3/7/00	THIRD ANGLE PROJECTION 	REV A
					CHECKED SHOP	DATE 3/16/00	PART NUMBER AEKLI 001	SHT 1
					APPROVED B.D.	DATE 3/16/00	DRAWING NUMBER: E112	OF 3

REV	DESCRIPTION	DATE	APPR
A	ADDED BOM; CORRECTED PARTS	09/30/04	JEF


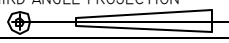


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			KIT, 1 LIGHT, FLASHER, HTG TITLE KIT, 1 LIGHT, FLASHER, HTG 320(relay) & STRONGARM(Smart Touch)		CHECKED SHOP	DATE 3/16/00	PART NUMBER AEKLI 001	SHT 2	OF 3
			APPROVED B.D.		DATE 3/16/00	DRAWING NUMBER: E112			

REV	DESCRIPTION	DATE	APPR
A	ADDED BOM; CORRECTED PARTS	09/30/04	JEF

INSTALLATION INSTRUCTIONS
24v FLASHING LIGHT KIT ON A SMART TOUCH CONTROLLER SYSTEM

1. Mount the Transformer (Item 12) and the Solid State Timer (Item 13) into electric enclosure (Item 19) as shown on page 2.
On the inside near the top of the HTG 320 chassis there is a shelf where you can mount the flasher enclosure.
2. Turn off the power to the operator and open the gray control panel.
3. Locate the schematic for the "Light & Flasher Circuit" on the E112 drawing page 1.
4. Run a four foot 14/2 SO cord (Item 10) from inside the control panel to the area where the flasher enclosure is mounted.
Route wires to avoid movable components.
5. **Inside the control box:**
 - A. Connect two wires from step 4: Attach one wire to the NC terminal of User Relay 3.
Attach the other wire to the L2/N lug of the motor contactor.)
 - B. Install a separate wire from the L1 lug of the motor contactor to the COM terminal of User Relay 3.
6. Wiring the flasher enclosure:
 - A. Identify the two transformer wires required for 120V or 230V. Add buttspllices to unnecessary wires, wire tie together, and route out the way.
 - B. Use a wire nut (Item 22) to connect black (COM) transformer wire, incoming L2 wire from control panel, and wire(Item 24) from #3 pin of Solid State Timer.
 - C. Connect the incoming wire from the User Relay 3(NC terminal) to pin # 2 of the solid state timer.
 - D. Connect the other transformer lead to the # 1 pin of the solid state timer.
7. Wiring of the Light Fixtures: (Maximum of four 24V lamps)
 - A. Connect the transformer 24V leads to a fourteen foot 14/2 SO cord (Item 10) and route through chassis to lights. Route wires to avoid movable components.
 - C. Mount and wire the lights per the instructions below. The secondary wires of the Transformer will be connected to the wires that go out to the Light fixtures.
9. Look to the drawing section titled "Front View". You will notice a completed assembly of the light fixture.
10. **To Mount the light fixtures:**
 - A. Open the cover and you will notice two holes in the fixture use these to mount the light fixtures to the arm of the operator.
 - B. Connect wire of 24V cable from flasher enclosure to wires in the first light.
 - C. Connect each additional light in parallel as shown on schematic on page 1.
 - D. The last light in the string will have a plug in it to terminate the run.
 - E. Look to the title "Side View" for a cross section of the suggested mounting position.

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					<small>CHECKED SHOP</small>	<small>DATE</small> 3/16/00	<small>PART NUMBER</small> AEKLI 001	<small>SHT OF</small> 3 3
					<small>APPROVED</small> B.D.	<small>DATE</small> 3/16/00	<small>DRAWING NUMBER:</small> E112	