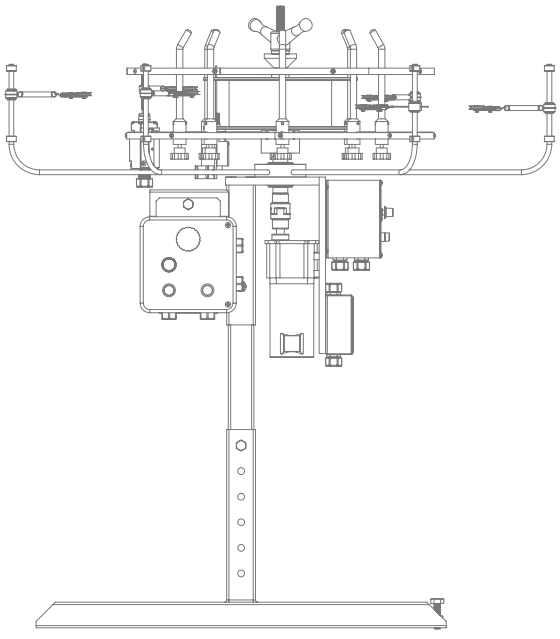
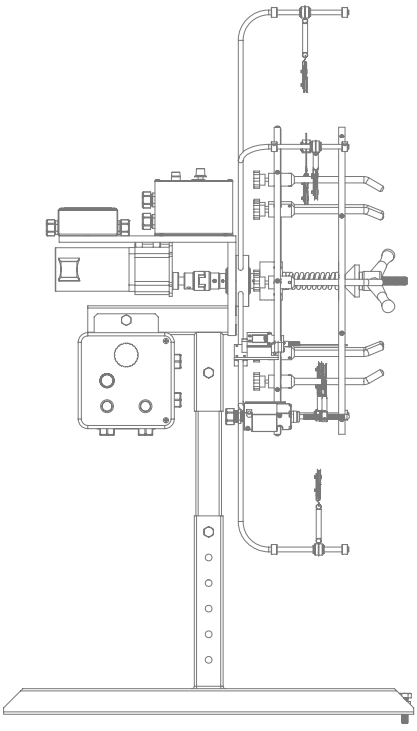
TAK Enterprises, Inc.

Visit us on the web

#8001 SERIES MATERIAL PAYOFF
INCLUDING SNAG SENSING ASSEMBLY





70 Enterprise Drive • Bristol, CT 06010-7400
(860) 583-0517 • (860) 585-0479
E-mail: tak@takenterprises.com • www.takenterprises.com

VERTICAL SETUP FOR SPOOL

For use in vertical position:

1. Place short leg of "T" adapter over single hole end of riser tube. For proper support and balance place the wheel side of head assembly over long legs of base frame, replace quick pull pin or bolt through the holes that align.
2. Stabilize the unit by adjusting leveling screws on base frame.
3. Place spool hub on the shaft and slide it to the rear against the stop ring and align to fit over the key in the shaft. Tighten the set screws to secure.
4. Position unit at required approach to machine. Face wheel to maximize loading ease.
5. Reconnect switch and motor plugs.
6. Set required rotation of unit by use of For./Rev. switch on controller.
7. This unit is activated by applying light pull to wire.
8. Keep clear of unit while power switch is on.

For use in horizontal position:

1. Place long leg of "T" adapter over single hole end of riser tube and follow the same instructions above.

Wire can be loaded to payoff in a clockwise or counter clockwise direction. For more detailed information see back page.

HORIZONTAL SETUP FOR COIL

For use in horizontal position:

1. Place long leg of "T" adapter over single hole end of riser tube. For proper support place center of wheel and motor over long legs of base frame.Position uprights perpendicular to wheel.
2. Place coil hub on the shaft and slide it to the rear against the stop ring and align to fit over the key in the shaft. Tighten the set screws to secure.
3. Loosen upright rod knob several turns, turn rods upright and lock in position with knob.
4. Reconnect switch and motor plugs.
5. Place tophat over coil before removing coil ties.
6. Keep light tension on coil with tophat by turning tension knob on center stud.
7. Set required rotation of unit by use of For./Rev. switch on controller.
8. This unit is activated by applying light pull to wire.
9. Keep clear of unit while power switch is on.

For use in vertical position:

1. Place short leg of "T" adapter over single hole end of riser tube and follow the same instructions above.

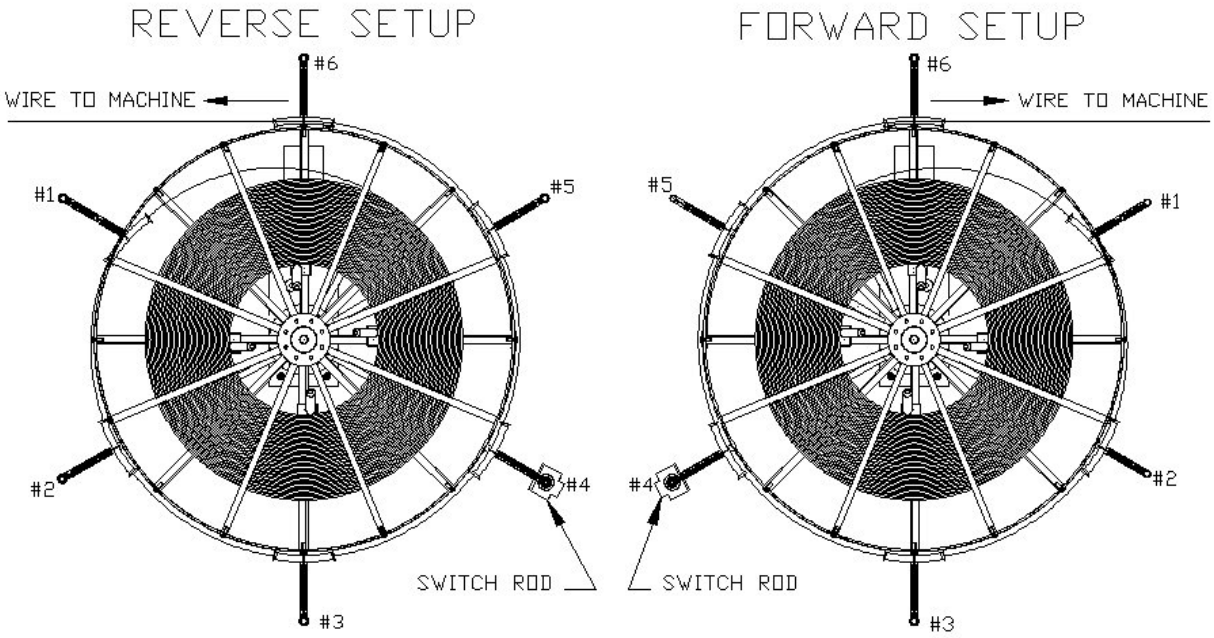
Height of wire line can be adjusted in increments by removing lower quick pull pin or bolt and replacing in appropriate hole.

Wire can be loaded to payoff in a clockwise or counter clockwise direction. For more detailed information see back page.

WIRE GUIDE LOCATION

To reverse direction of payoff the switch rod and the primary guide tube rod location must be changed to mirror optimum light tension pattern.

1. Remove switch rod and (3) other rods from spider ring. Loosen the setscrews in top of ring. Remove/replace rods in appropriate holes observing the pictures below.
2. Change switch setting on controller to reverse.



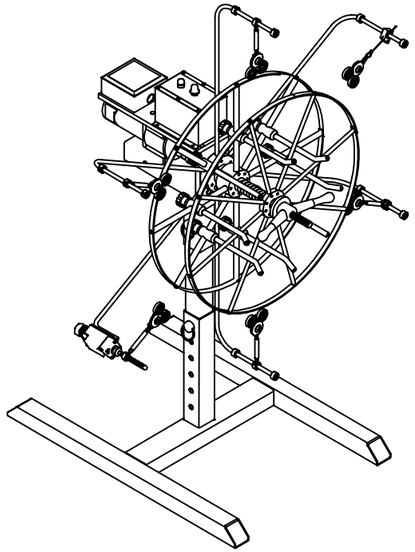
MOTOR SPEED ADJUSTMENT

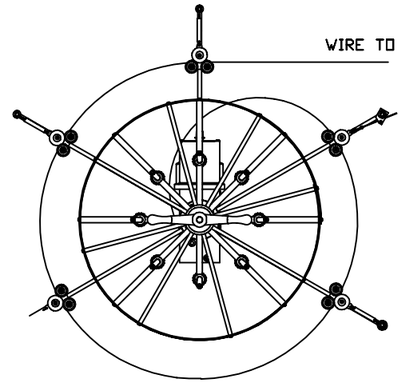
The proper motor speed for any particular usage can be found by starting at a higher than required setting and adjusting down until slack is eliminated. Take care not to reduce speed to the point that the tension springs on payoff are over stressed.

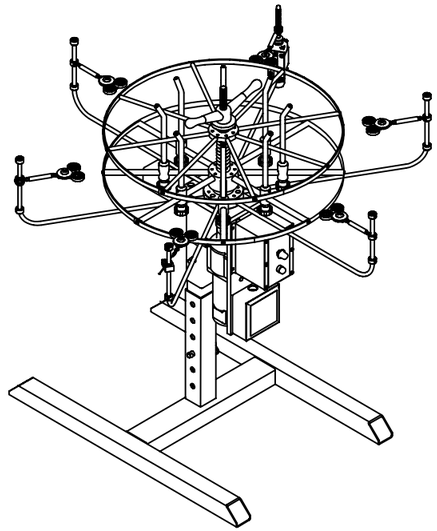
MATERIAL REQ'D.	R.C.

13	9007-264	3/16ø ROLL PIN 1/2" LG (N/S)	8
12	9007-268	3/16ø ROLL PIN 3/4" LG (N/S)	8
11	9003-089	1/4-20 X 1/2 SET SCREW (N/S)	2
10	9010-011	1/4-20 X 1" PLASTIC KNOBS	8
9	9002-074	10-32 BUTTON HEAD SCREW	16
8	9020-032	CENTER SPRING	1
7	8001-155	COIL TOPHAT HUB (OUT)	1
6	8001-160	COIL TOPHAT SPOKE (OUT)	8
5	8001-156	COIL WHEEL SPOKE (INB)	8
4	8001-159	COIL UPRIGHT ROD (INB)	8
3	8001-113	COIL WHEEL RING	2
2	8001-158	COIL UPRIGHT CLAMP (INB)	8
1	8001-157	COIL WHEEL HUB (INB)	1
ITEM#	PART NUMBER	DESCRIPTION	QTY

COIL ASSY.







43	9000-094	1/4-20 X 1-1/2 SHCS (N/S)	3
42	9001-046	3/8-16 X 1 FHCS (N/S)	2
41	9001-118	5/16-18 X 3/4 FHCS (N/S)	2
40	9003-080	10-32 X 1/2 SET SCREW (N/S)	6
39	9000-088	1/4-20 X 1/2 SHCS (N/S)	2
38	9002-074	10-32 X 1/2 BHCS (N/S)	4
37	9000-089	1/4-20 X 5/8 SHCS (N/S)	4
36	8001-172	WIRE CLAMP	1
35	9313-001	BALL BUSHING	2
34	8001-163	BUSHING SLEEVE	1
33	9008-655	SNAP RING	1
32	9008-656	SLIP RING	4
31	8001-126	MICRO SWITCH PLATE	1
30	9100-017	MICRO SWITCH	1
29	9008-653	5/8" SHAFT SNAP RING	1
28	8001-146	SPRING COLLAR	4
27	9020-025	SPRINGS	5
26	XXXX-XXX	WIRE CABLE	X
25	9802-005	ROLLER PACKAGE	6
24	8001-169	ROLLER SUPPORT BRACKET	6
23	8001-170	ROLLER	6
22	8001-173	SWITCH ARM	1
21	9001-012	COLLARS	10
20	9007-317	KEY 3/16 TK X ø1	1
19	9007-315	KEY 3/16 TK X ø3/4	1
18	9201-006	5/8" FLEX COUPLING	2
17	9201-007	5/8" SPIDER SPACER	1
16	9310-012	5/8" ID SHAFT BEARING	2
15	8001-153	MOTOR & CONTROL MOUNT	1
14	8001-150	SPIDER HUB SUPPORT PLATE	1
13	8001-119	SPIDER LEG RETAINER HUB	1
12	8001-161	TAPER SPOOL HUB	1
11	9010-024	6" STRAIGHT KNOB HANDLE	1
10	8001-148	SPOOL WEDGE	1
9	8001-154	SHAFT	1
8	8001-171	SPIDER LEG	5
7	9100-015	DC SPEED CONTROLLER	1
6	9100-018	WEATHER PROOF BOX	1
5	9100-034	GEAR MOTOR	1
4	8001-117	T ADAPTER	1
3	8001-115	RISER TUBE	1
2	9010-008	QUICK PULL PIN	2
1	8001-127	BASE FRAME	1
ITEM#	PART NUMBER	DESCRIPTION	QTY

BASIC ASSY.

VERTICAL PAYOFF VIEWS

HORIZONTAL PAYOFF VIEWS

W/ROLLER GUIDES

REV	ECN	CHG BY	DATE

SPOOL & COIL PAYOFF DETAILED VIEW & PARTS LIST

TAK ENTERPRISES

TOLERANCE UNLESS OTHERWISE STATED			
∠ ± 3°	FRACT +/- 1/16		
⊥ ± 0.0003	.X	± .032	
◎ ± 0.0002	.XX	± .015	
⌖ ± 0.0005	.XXX	± .005	
= ± 0.0005	.XXXX	± .0005	

CAD	
DWN KPL	
CHK	
SCALE	
DATE 12/10/01	

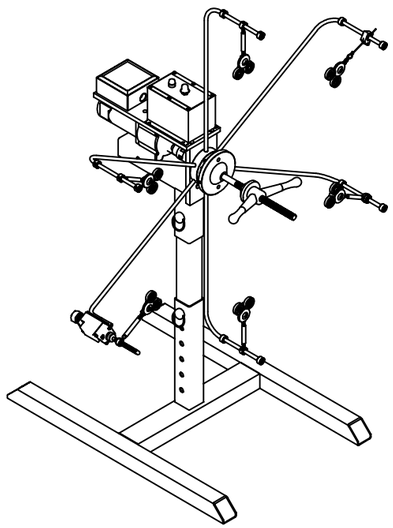
DRAWING / PART NO. 8001-010

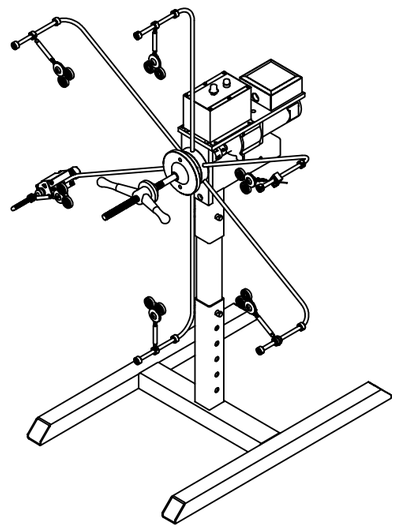
PART NAME COMPLETE 24" PAYOFF ASSY.

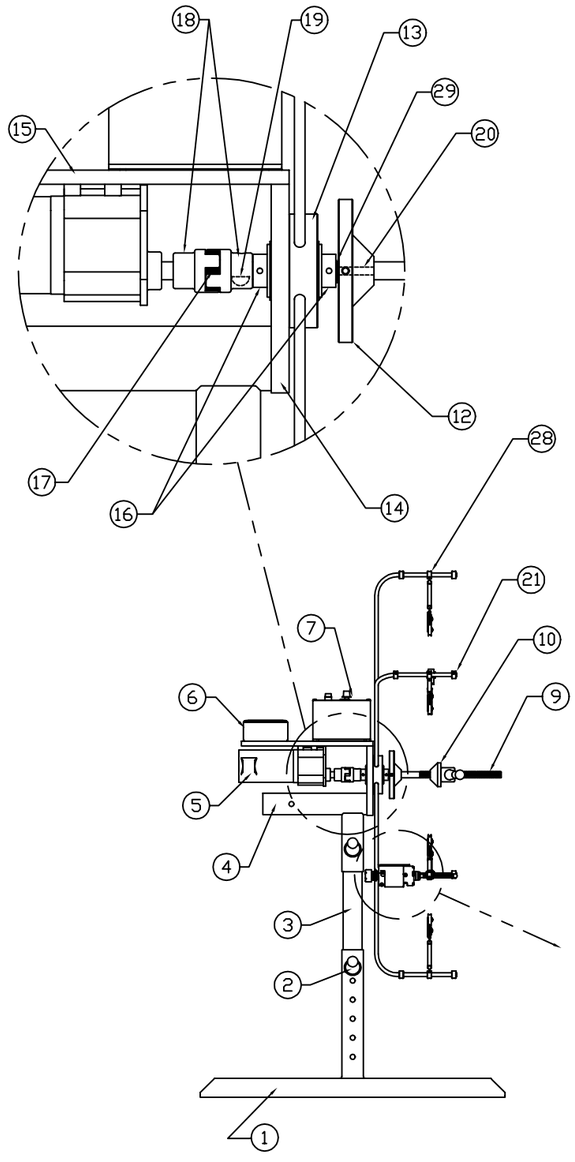
CUSTOMER

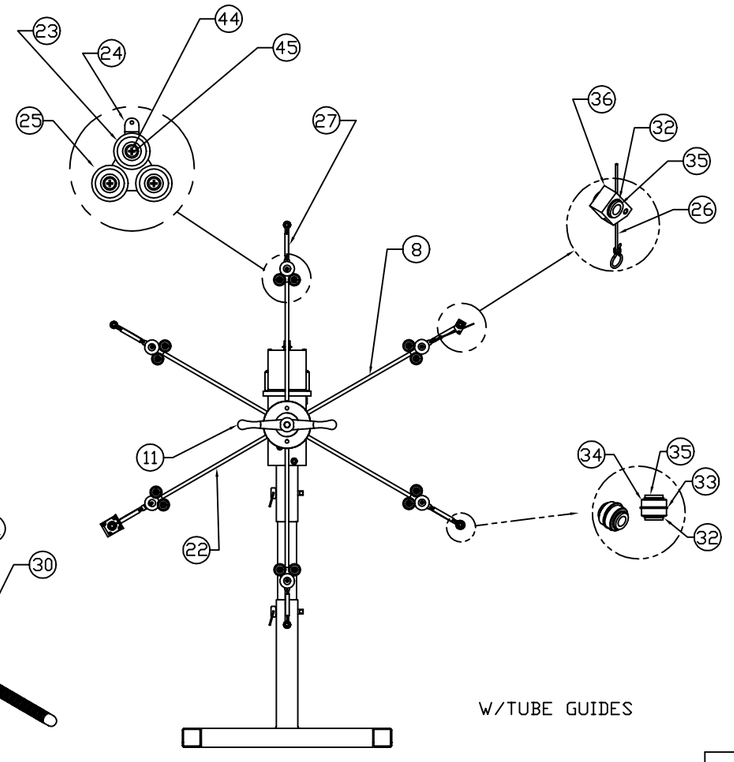
MATERIAL REQ'D.	R.C.

ITEM#	PART NUMBER	DESCRIPTION	QTY
45	900A-001	1/4 X 3/8 SHOULDER SCREW	6
44	9006-006	JAM NUT	6
43	9000-094	1/4-20 X 1-1/2 SHCS (N/S)	3
42	9001-046	3/8-16 X 1 FHCS (N/S)	2
41	9001-118	5/16-18 X 3/4 FHCS (N/S)	2
40	9003-080	10-32 X 1/2 SET SCREW (N/S)	6
39	9000-088	1/4-20 X 1/2 SHCS (N/S)	2
38	9002-074	10-32 X 1/2 BHCS (N/S)	4
37	9000-089	1/4-20 X 5/8 SHCS (N/S)	4
36	8001-172	WIRE CLAMP	1
35	9313-001	BALL BUSHING	2
34	8001-163	BUSHING SLEEVE	1
33	9008-655	SNAP RING	1
32	9008-656	SLIP RING	4
31	8001-126	MICRO SWITCH PLATE	1
30	9100-017	MICRO SWITCH	1
29	9008-653	5/8" SHAFT SNAP RING	1
28	8001-146	SPRING COLLAR	4
27	9020-025	SPRINGS	5
26	XXXX-XXX	WIRE CABLE	X
25	9802-005	ROLLER PACKAGE	6
24	8001-169	ROLLER SUPPORT BRACKET	6
23	8001-170	ROLLER	6
22	8001-173	SWITCH ARM	1
21	9001-012	COLLARS	10
20	9007-317	KEY 3/16 TK X ø1	1
19	9007-315	KEY 3/16 TK X ø3/4	1
18	9201-006	5/8" FLEX COUPLING	2
17	9201-007	5/8" SPIDER SPACER	1
16	9310-012	5/8" ID SHAFT BEARING	2
15	8001-153	MOTOR & CONTROL MOUNT	1
14	8001-150	SPIDER HUB SUPPORT PLATE	1
13	8001-119	SPIDER LEG RETAINER HUB	1
12	8001-161	TAPER SPOOL HUB	1
11	9010-024	6" STRAIGHT KNOB HANDLE	1
10	8001-148	SPOOL WEDGE	1
9	8001-154	SHAFT	1
8	8001-171	SPIDER LEG	5
7	9100-015	DC SPEED CONTROLLER	1
6	9100-018	WEATHER PROOF BOX	1
5	9100-034	GEAR MOTOR	1
4	8001-117	T ADAPTER	1
3	8001-115	RISER TUBE	1
2	9010-008	QUICK PULL PIN	2
1	8001-127	BASE FRAME	1









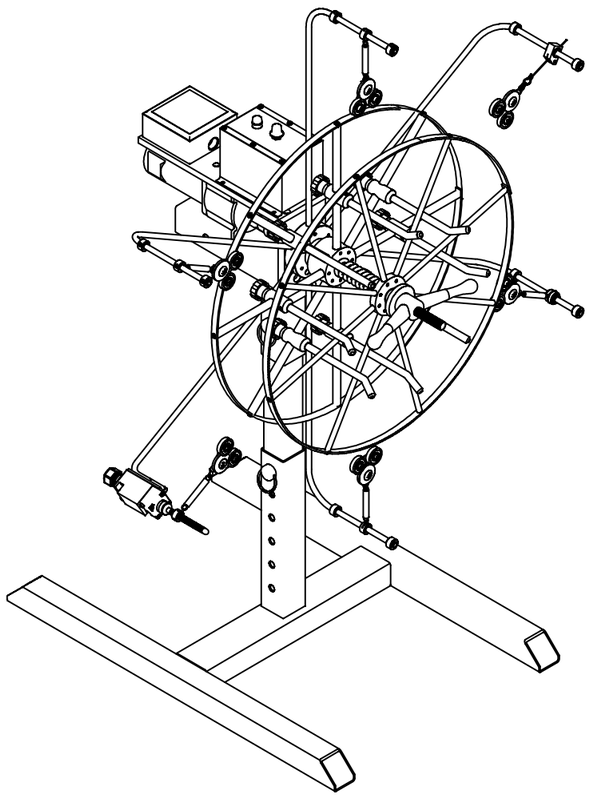
W/TUBE GUIDES

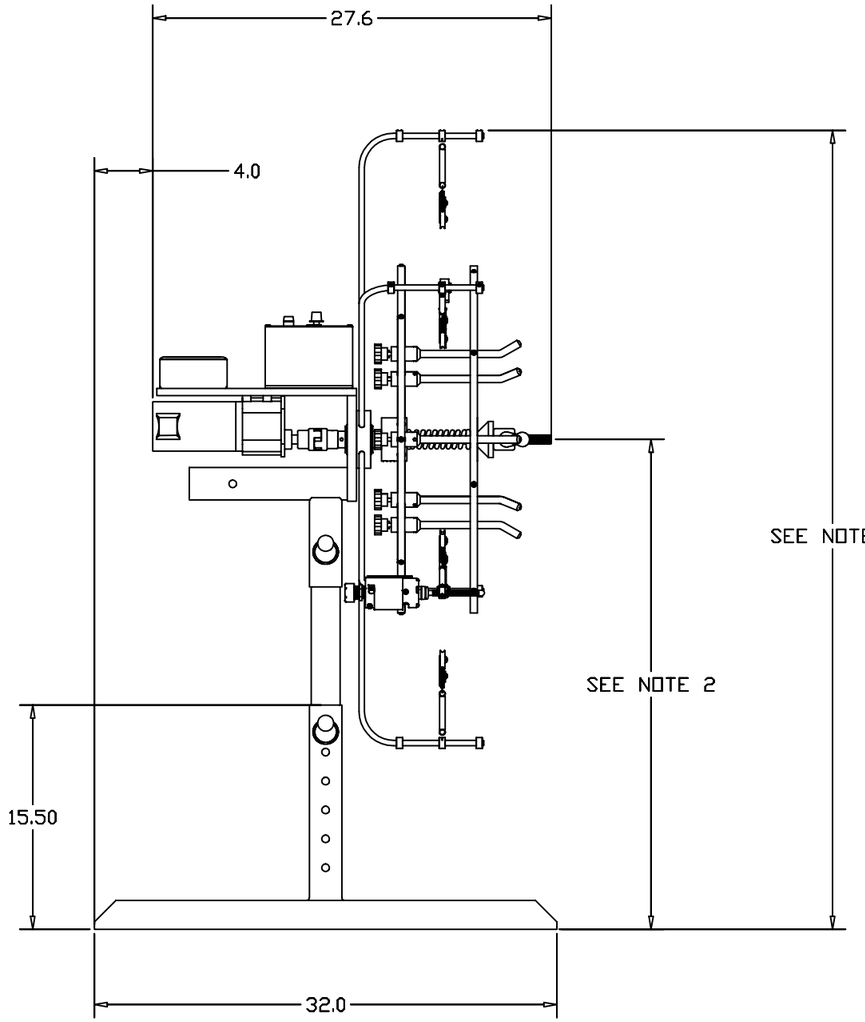
REV	ECN	CHG BY	DATE

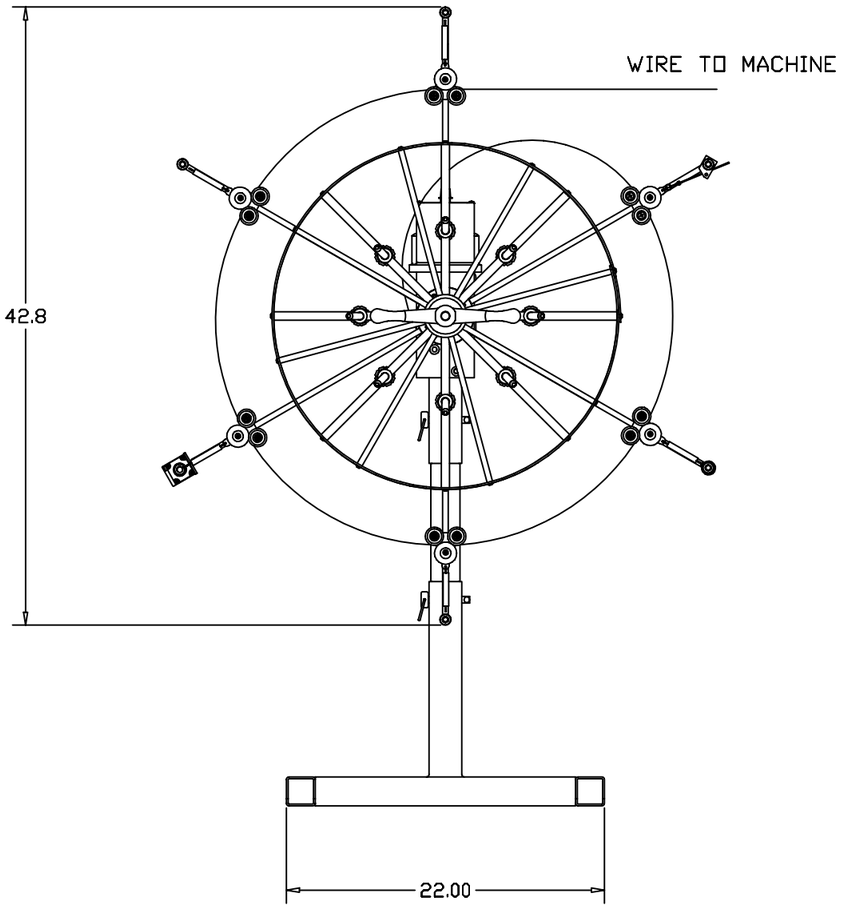
TAK ENTERPRISES

TOLERANCE UNLESS OTHERWISE STATED				CAD	DRAWING / PART NO. 8001-016
∠ ± 3°	FRACT +/- 1/16			DWN KPL	PART NAME SPOOL PAYOFF DETAIL
⊥ ± 0.0003	.X	± .032		CHK	
◎ ± 0.0002	.XX	± .015		SCALE	
⌖ ± 0.0005	.XXX	± .005		DATE 12/6/01	CUSTOMER
= ± 0.0005	.XXXX	± .0005			

MATERIAL REQ'D.	R.C.







NOTES
1. MIN. HEIGHT IS 44.0 -- MAX. HEIGHT IS 54.0
2. MIN. HEIGHT IS 25.6 -- MAX. HEIGHT IS 35.6

W/ROLLER GUIDES

REV	ECN	CHG BY	DATE

TAK ENTERPRISES

TOLERANCE UNLESS OTHERWISE STATED			
∠ ± 3°	FRACT +/- 1/16		
⊥ ± 0.0003	.X ± .032		
◎ ± 0.0002	.XX ± .015		
⌖ ± 0.0005	.XXX ± .005		
⏥ ± 0.0005	.XXXX ± .0005		

CAD	
DWN KPL	
CHK	
SCALE	
DATE 12/6/01	

DRAWING / PART NO.
8001-010A

PART NAME
PAYOFF
DIMENSIONS

CUSTOMER

MATERIAL REQ'D.	R.C.

13	9007-264	3/16ø ROLL PIN 1/2" LG (N/S)	8
12	9007-268	3/16ø ROLL PIN 3/4" LG (N/S)	8
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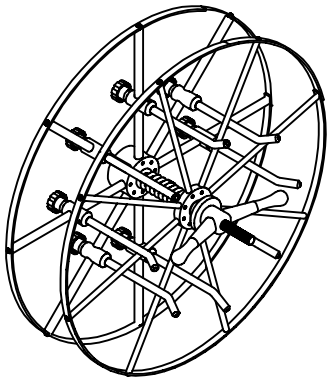
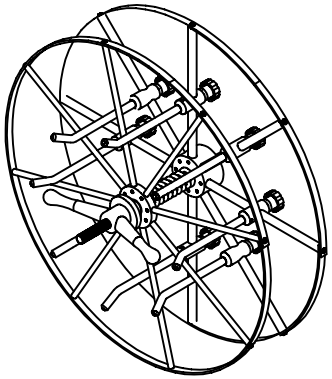
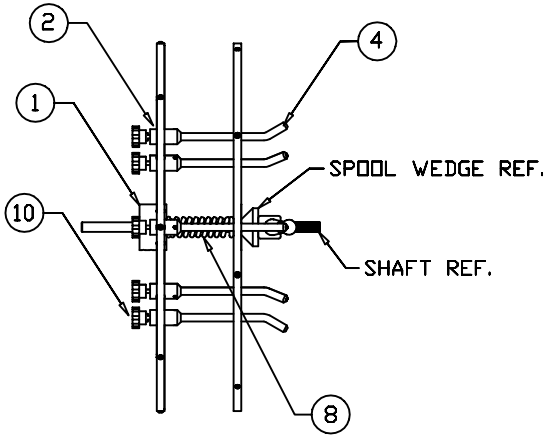
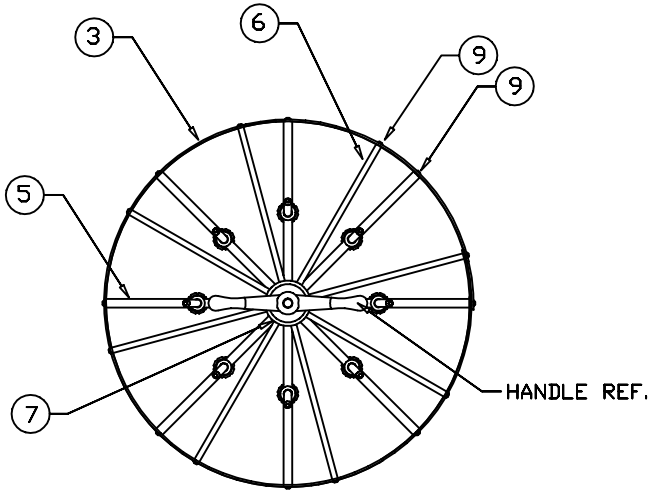
10	9010-011	1/4-20 X 1" PLASTIC KNOBS	8
9	9002-074	10-32 BUTTON HEAD SCREW	16
8	9020-032	CENTER SPRING	1
7	8001-155	COIL TOPHAT HUB (OUT)	1
6	8001-160	COIL TOPHAT SPOKE (OUT)	8
5	8001-156	COIL WHEEL SPOKE (INB)	8
4	8001-159	COIL UPRIGHT ROD (INB)	8
3	8001-113	COIL WHEEL RING	2
2	8001-158	COIL UPRIGHT CLAMP (INB)	8
1	8001-157	COIL WHEEL HUB (INB)	1
ITEM#	PART NUMBER	DESCRIPTION	QTY









REV	ECN	CHG BY	DATE

TAK ENTERPRISES

TOLERANCE UNLESS OTHERWISE STATED

∠	± 3°	FRACT +/- 1/16	
⊥	± 0.0003	.X	± .032
◎	± 0.0002	.XX	± .015
⌖	± 0.0005	.XXX	± .005
=	± 0.0005	.XXXX	± .0005

CAD

DWN KPL

CHK

SCALE

DATE 12/6/01

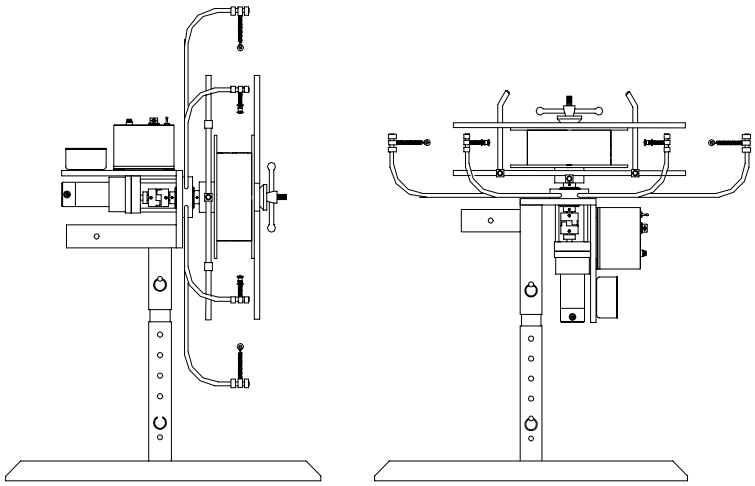
DRAWING / PART NO.
8001-014

PART NAME
COIL ASSY

CUSTOMER

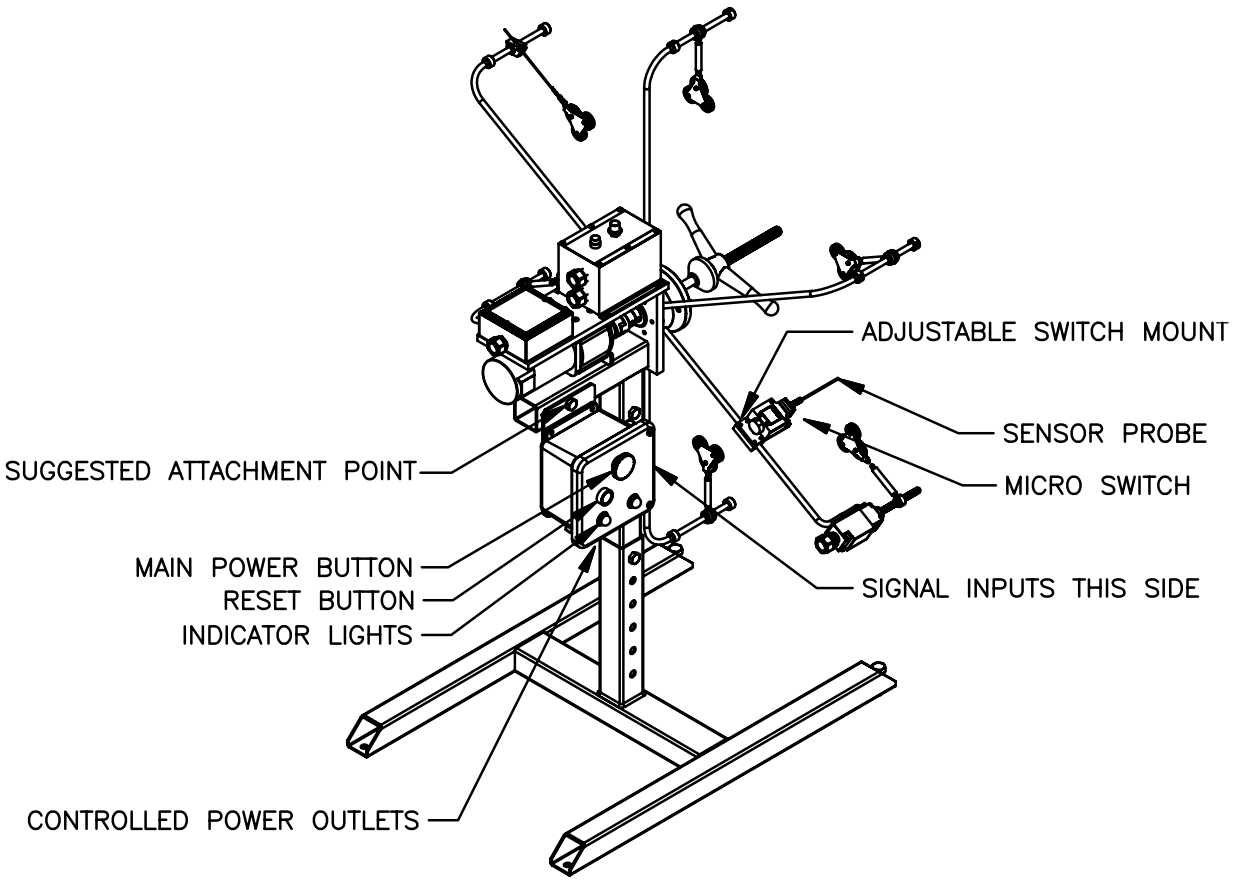
IF ALL TROUBLESHOOTING TESTS FAIL PLEASE CALL TAK SUPPORT:

(860) 583-0517



TAK ENTERPRISES INC. ASSUMES NO RESPONSIBILITY FOR NEITHER INJURY OF PERSON OR PRODUCT OR ANY LIABILITY RESULTING FROM THE PURCHASE OF PRODUCTS SOLD WITH THE INTENTION OF MODIFYING OR ATTACHING TO EXISTING EQUIPMENT. ANY EQUIPMENT MODIFIED FROM THE ORIGINAL CONFIGURATION STATED ON THE PURCHASE ORDER OR CONSIDERED AS MODIFIED CONFIGURATION BY TAK, WILL NOT BE COVERED BY ANY GUARANTY OF OPERATION OR FUNCTION. ANY SUPPORT FOR THE MODIFIED EQUIPMENT WILL BE DETERMINED BY TAK ON AN INDIVIDUAL INCIDENT BASIS.

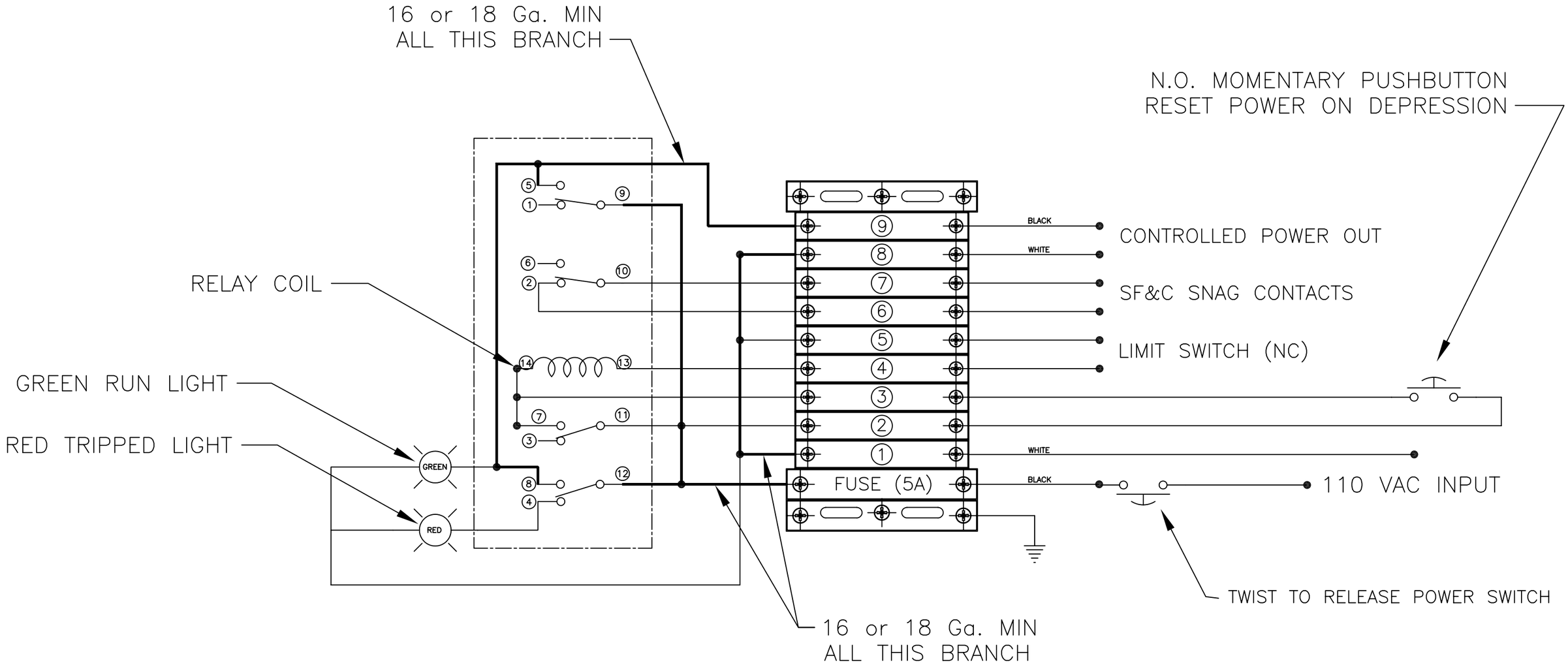
SNAG SENSING AUTOMATIC SHUTOFF ASSY.



This system is designed to provide an automatic shutdown of any equipment attached to the controlled outlets. This system also requires a “manual reset” to restore power to any equipment attached to the controlled outlets.

1. Plug the snag sensor main power cord into a 120 VAC outlet.
2. Color match the cords on each connector for proper operation.
3. Plug the payoff into one of the controlled power outlets.
4. Plug any other equipment to be protected into the other outlets.
5. **Do not exceed a total draw on the outputs higher than 5amps**.
6. Position the micro switch assy in the wire line so as to cause a deflection of the sensor probe if a snag or other obstruction causes the wire to collapse inward.
7. Deflecting the probe will cause the controlled outlets to de-energize.
8. Fix the problem and push the reset button to re-energize the outlets.
9. A second cord is provided to make available a set of dry contacts to signal other equipment of a shutdown.

MATERIAL REQ'D.	R.C.



REV	ECN	CHG BY	DATE

TAK ENTERPRISES

TOLERANCE UNLESS OTHERWISE STATED			
∠ ± 3'	FRACT +/- 1/16	CAD	DRAWING / PART NO. 9111-300
⊥ ± 0.0003	.X ± .032	DWN GDH	PART NAME SNAG CONTROL BOX
◎ ± 0.0002	.XX ± .015	CHK	
⌖ ± 0.0005	.XXX ± .005	SCALE	CUSTOMER
⏥ ± 0.0005	.XXXX ± .0005	DATE 040103	

WARNING

The operator of the equipment offered herein must not be in or near the point-of–operation of any such machine or operating parts of any equipment installed on a machine, or bodily injury could result. The EMPLOYER must conspicuously display adequate warning signs on the machine with proper warnings for the machine and the specific application to which the machine and equipment are being applied.

OSHA Sections 1910.147, 1910.211, 1910.212 and 1910.217 contain installation information on the required distance between danger points and point-of-operation guards and devices. No specific references have been made to which paragraph of OSHA 1910.147, 1910.211, 1910.211, 1910.217 or any other applicable sections because the paragraphs may change with each edition of the publications of OSHA provisions.

All equipment manufactured by TAK Enterprises is designed to meet the construction standards of OSHA in effect at the time of sale, however, the EMPLOYER ultimately installs the equipment and is therefore responsible for installation, use, application, training and maintenance, as well as ensuring that adequate warning signs are visible on the machine onto which the equipment will be installed.

OSHA states that the EMPLOYER must ensure that safe operating methods designed to control or eliminate hazards to operating personnel are developed and employed, and that operators are trained in safe operation of the equipment.

It shall be the responsibility of the EMPLOYER to establish and follow a program of periodic and regular inspections and maintenance of machinery to insure that all their parts, auxiliary equipment and safeguards are in a safe operating condition and adjustment. Each machine should be inspected and tested no less than weekly to determine and confirm that the operating condition of the machine meets safety standards. Necessary maintenance or repairs to machinery, auxiliary equipment and safeguards shall be performed and completed before the machine is operated. The EMPLOYER shall maintain accurate records of these inspections and maintenance work performed.

It is not the responsibility of TAK Enterprises to provide notification to the user of this equipment concerning future changes in State or Federal laws, or construction standards.

SAFETY PROGRAM

Accident free operation will result from a well developed, management sponsored and enforced safety program.
Of vital importance to the success of a safety program is the proper selection of guards and devices. However, there is no safety device that will insure “automatic” or “fool proof” safety to your operation.

Of equal importance to the proper selection of machine guards and devices is effective training of operating personnel. Each individual must be trained in the proper operation in accordance with established standards developed for the guards or safety devices employed, with emphasis on why specific guards and safety devices have been provided on the equipment. Rules for safe operation should be in writing, available to company personnel and enforced at all times.

An effective safety program must include regularly scheduled inspections and maintenance of all equipment, with accurate records to reflect the successful completion of inspections and maintenance.

To ensure that a safe working environment is maintained at all times, management, supervisors, safety engineers and all production employees must assume their proper share of responsibility to establish and maintain an effective safety program. All members of the company community should be involved so that an accurate view of the specific areas within the facility that require attention are addressed.

To assist you in the development of and maintenance of an effective safety program, many trade groups and safety related organizations provide guidelines and recommendations that are available to you. However, you must know when and how to apply these guidelines. The equipment manufacturers provide information to assist you in properly adjusting and maintaining your equipment. It is recommended that the employer comply with these guidelines at all times.