

Automatic Label Applicator User's Manual

Rev. B



HellermannTyton
A  Company

AUTOMATIC LABEL APPLICATOR MANUAL

Congratulations on your purchase of the HellermannTyton Automatic Label Applicator. If you have not already done so, please fill out and send in the registration card for your unit. This will be important for technical support and help during your initial setup and installation.

AUTO LABEL APPLICATOR MANUAL IS CURRENT AS OF 02/03

While the information contained in this document is current and correct at the time of printing, HellermannTyton reserves the right to change the specifications of the equipment described herein at any time without prior notice.

YOUR GUARANTEE

The HellermannTyton name and our commitment to quality back every HellermannTyton product.

HellermannTyton warrants that its Automatic Label Applicator will be free from defects in material and workmanship for 1 year from the date of purchase. HellermannTyton will replace any accessories and supplies, and repair or, at its option, replace equipment found to be defective under this warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. THE WARRANTY IS VOID IF IT HAS BEEN DETERMINED THAT THE APPLICATOR HAS BEEN SUBJECTED TO EXTENSIVE NON-WARRANTY DAMAGE OR MISUSE.

In the event of breach of this express warranty, or any other warranty, whether expressed or implied, HellermannTyton's liability shall be limited to the remedy provided in the preceding paragraph.

HELLERMANNTYTON SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, REGARDLESS OF WHETHER LIABILITY IS BASED UPON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT, OR ANY OTHER THEORY. HELLERMANNTYTON WILL NOT BE LIABLE IN AN AMOUNT GREATER THAN THE PURCHASE PRICE OF THE PRODUCTS DESCRIBED BY THIS EXPRESS WARRANTY. No agent, distributor, salesperson, wholesale or retail dealer has the authority to bind HellermannTyton to any other affirmation, representation, or warranty concerning these goods.

SUGGESTIONS FOR INITIAL SETUP

The HellermannTyton Automatic Label Applicator is designed to wrap labels around wires. The Applicator must be integrated into your existing manufacturing workstation. It is important that the people assigned to use the Applicator are fully trained on how to load, unload, and correct errors that will inevitably occur during normal usage. Any piece of equipment will, at some point, jam, mis-feed or otherwise fail during normal usage. However, our goal was to make the clearing of these errors as simple as possible using an LCD panel and a method of manufacturing that allows the user to have full and complete access to all the internal areas of the unit. This is what makes this design so unique and user-friendly.

REPAIRS

Should you need to send back the unit to HellermannTyton for repair or routine maintenance, please ship the product in the original hard shell case (part no. CASEALA). Failure to use the case will void the warranty as damage may occur to the unit in shipment. It is very important to first call HellermannTyton to receive a return material authorization number (RMA) for your Applicator. This will ensure that delivery is accepted and that it goes to the right place quickly and efficiently. The customer is responsible for the freight to HellermannTyton and HellermannTyton is responsible for the freight back to the customer.

REPLACEMENT and LOANER UNITS

HellermannTyton cannot guarantee that a replacement loan Applicator will be available, even if extended warranty agreements are in place. If available, replacement loaner units can be provided while the original unit is being repaired. If the Applicator is not covered under the Gold Warranty Program, there is a fixed charge for loaner Applicators. HellermannTyton is responsible for the freight to the customer and the customer is responsible for the freight back. The customer assumes responsibility for damage or loss of the loaner unit.

MAINTAINANCE

- Be sure to keep the flanges or "wings" inside the wrapping puck clean. Adhesive can build up over time, causing the labels to stick inside this area. Clean with alcohol or mineral spirits regularly.
- Be sure to unload the waste liner off of the take up spool before it becomes too large and stops the machine.
- Clean all the rollers as needed to remove unwanted adhesive and dirt.
- Keep the general label path clean.

WELCOME TO THE ALA100

When it comes to applying high quality pre-printed labels to wire and cable, HellermannTyton's Automatic Label Applicator offers the reliability and production stamina of a large industrial machine in a compact, portable unit. Powered electrically, the Applicator runs on standard AC current and does not require the use of cumbersome and noisy hydraulic or high-pressure air lines. The unit can also be easily moved from workstation to workstation to accommodate different job requirements.

An operator simply places the wire or cable into the gripper arms and begins the process by activating the foot pedal; the arms pull the wire or cable onto the label where the two are then brought into the Applicator, and the label is wrapped around



cleanly and securely. The Applicator then returns the finished product to the operator and waits for the next wrapping cycle to be initiated by the operator.

HellermannTyton's Automatic Label Applicator increases productivity while reducing labor costs and repetitive motion injuries. And while most manufacturers will allocate more than fifteen seconds to manually apply one typical label, using the Automatic Label Applicator can complete this process in less than half the time.

The Applicator wraps HellermannTyton's high quality, self-laminating vinyl labels, which are often specified and used in manufacturing facilities. In addition, the quality of the label wrap is also improved by eliminating the skin-oil and dirt contamination often associated with the manual handling of labels during application. This can prevent flagging of the label and provide a cleaner, more professional look to the end product.

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BILL OF MATERIALS



1 - Automatic Label Applicator (ALA100)



1 - Hard-shell Case* with wheels, telescoping handle and foam inserts (CASEALA)



1 - Foot Pedal (ALA-822)



1 - AC Power Cord (ATPC)



1 - Label Spindle Shaft (ALA-447)



1 - User's Manual on CD-ROM and/or in Booklet Form (ALAMANUAL)

* In the event that the Automatic Label Applicator should need to be returned to Hellermann Tyton for repair or routine maintenance, it must be shipped in an authorized hard-shell case with all the original foam inserts. **TO DO OTHERWISE WILL VOID YOUR WARRANTY IMMEDIATELY.**

DEVICE SPECIFICATIONS

Label Size Range:	<ul style="list-style-type: none"> • Width - 0.50" to 1.0" • Length - 0.75" to 3.0"
Wire Diameter Range:	• 0.112"(2.84mm) to 0.50"(12.7mm)
Auto-Center Mechanism:	• The Applicator will center and secure any diameter wire up to 0.50" automatically.
Label-to-Edge Distance:	• The Applicator can wrap a label as close as 0.75" to the end of the wire or the inside edge of a connector if the wire is already terminated.
Cycle Time:	<ul style="list-style-type: none"> • 1.5 seconds/inch of label. • Pure cycle-time is measured at ~1000 wraps/hour
Power Supply:	<ul style="list-style-type: none"> • 110VAC - US • 230VAC - Europe • 100VAC - Japan
Communications Interface:	• An input/output connector is installed on the side of the unit to send or receive a signal to apply a label. This allows connection to automatic wire-cutting machines and thermal transfer printers so the Applicator can be placed in a production line for automatic and timed label application.
Operator Interface:	• Foot switch or manual push button operation.
Operator Feedback:	• An LCD allows the user to make setting adjustments and receive feedback on possible error situations.

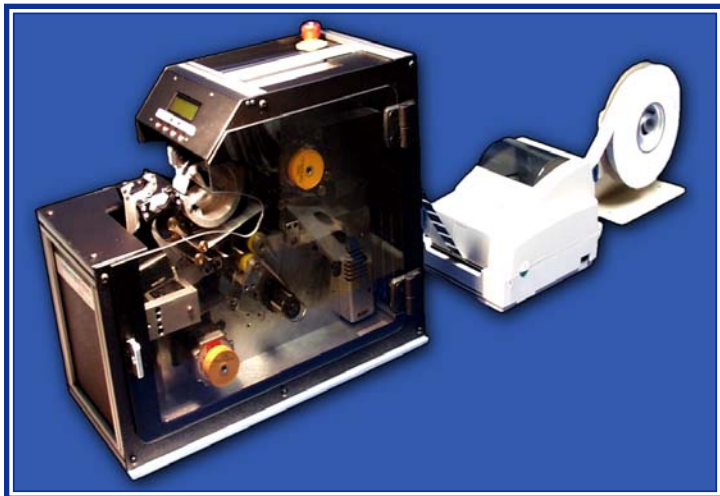
TWO MODES OF OPERATION

JOB-KITTING:



You may have selected the option to "kit" your labels by printing needed labels for specific jobs - ahead of time; winding them onto the refillable spindles and placing them with each manufacturing job that you are creating. In this manner, each job can include a roll of pre-printed labels when it is transferred to the floor for assembly. When the operator is ready to apply the labels, they simply load them into the Applicator and begin applying labels.

PRINT-ON-DEMAND:



You may have selected to place a HellermannTyton thermal transfer printer in conjunction with the Applicator, so that you keep the same label size loaded in the Applicator for multiple jobs that simply require a different printed text. As each label prints, the Applicator will wrap a

cable or wire in turn. Refer to the "Printing On Demand" section (page 8) for setup instructions.

NOTE: The accessories used in "job-kitting" and "print-on-demand" can be purchased separately from any authorized HellermannTyton distributor. For more information on these parts, please refer to **Appendix E: Applicator Accessories**.

LOADING LABELS THROUGH THE APPLICATOR

Only the HellermannTyton Applicator labels are specifically designed to feed through the Applicator unit. This is important for consistency in performance and quality. As a result, we cannot provide technical support for units running non-HellermannTyton labels. With the issues of possible performance problems that result from using other labels, the standard technical support programs become ineffectual under those circumstances and are therefore unavailable.

1. Feed the labels up and over the top of the cardboard reel on the Spool Arm through the back opening of the Applicator making sure that the labels are facing up (A).
2. After turning the power to the Applicator off and opening the side panel door to gain access to the inside of the Automatic Label Applicator, pull approximately two feet of label material through the back opening (A) as this will be used to feed through the Applicator.
3. Begin by placing the labels over and to the left of Guide Roller B.
4. Place the label between the next Guide Roller and the Label Sensor C.
5. Continue feeding past the left of Guide Roller D and to the right and underside of Guide Roller E.
6. Bring the labels over the top of Guide Roller F and under the next Guide Roller, G.
7. The next Guide Roller, H, is located within the Peel Bar Assembly (I). Feed your labels between Guide Roller H and the Peel Bar. Your labels will then travel between the Peel Bar and the Wrapping Puck (J) before traveling over the top and down to the left between the Peel Bar and the Gripper Arm Assembly (K).
8. Continue feeding the labels underneath Guide Roller L.
9. Your labels must now travel between the Upper (M) and Lower (N) Tension Arm Rollers. Turn the Tension Adjust Key (P) counterclockwise to free the Tension Arm (O). Press down on the Tension Arm Handle (Q) until there is enough room to slide your labels through the rollers. When finished it is very important to remember to tighten the Tension Adjust Key so that the labels are pinched between the upper and lower Tension Arm Rollers. Without this, the labels will not feed through the Applicator properly.
10. Remove the U-Clip from the Take-up Spindle (R) and wrap the remainder of your labels clockwise around the Take-up Spindle. Secure the labels in place by snapping the U-Clip into the grooves of the Take-up Spindle.
11. Close the Side Panel Door before turning on the power to the Applicator. The Applicator will do a self-diagnostic when it is turned on to determine if there are labels in the unit. If everything is loaded correctly, the LCD display (S) will read "OK". If you encounter an error message, please refer to **Appendix C: Error Messages**.

FORM-FEEDING

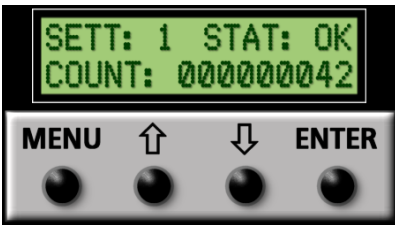
Cycling the unit through the wire-wrap process without a wire or cable will not hurt the unit or cause labels to become jammed in the puck. This feature is useful for testing the unit or form-feeding through labels that may be blank or have incorrect, pre-printed information on them. Feeding the unit with the foot-pedal or the **ENTER** button will simply cause the unit to dispense one label in front of the puck door. It is recommended that you remove this label before feeding again by simply touching the label with your finger and discarding.

WIRE HANDLING

It is important that the wire be placed into the grippers as straight as possible. Wires that are bowed or bent at odd angles may cause the label to miss the wire when the grippers are activated or the label might wrap onto the wire at an odd angle, making the label appear bent, folded or concave. Just like when you are wrapping a label by hand, if you attempt to wrap the label on a wire that is slightly bent, the label cannot conform to the entire surface of the wire. This leaves air bubbles, gaps and it may make the label appear to be bent in the middle as it tries to wrap around an uneven surface.

SETTING UP THE APPLICATOR'S PARAMETERS

The Automatic Label Applicator allows the user to adjust various operations of the unit by the using an LCD screen and a series of four buttons. These buttons allow you to edit the settings of the unit for your specific job needs.



If you continue to press **MENU** you will cycle through this list over and over again. Choose the **ENT KEY TO EXIT** option and press **ENTER** to exit back to the main status screen.

When you first power on the Applicator, the LCD will quickly display the version of software being used in your unit and then will come to rest on the "status screen" pictured here.

From the status screen, pressing the **MENU** key takes you to the main menu where you can scroll through a series of options, which include:

```
LOAD SETTING
EDIT SETTING
PRINTER ENABLE/DISABLE
CUTTER ENABLE/DISABLE
ENT KEY TO EXIT
```

USING PRE-DEFINED APPLICATOR SETTINGS

Part of the Applicator being "user-friendly" is that you have control over how it functions. To do this, there are ten (0-9) memory locations called SETTINGS. In each of these ten settings, you can program how the Applicator dispenses labels, the number of wraps around the wire and even the time allowed for the label's adhesive to bond with the wire or cable before wrapping. Once stored, these settings can be called up for any job at any time.

- ❖ Press the **MENU** key to go to the **LOAD SETTING** option.
- ❖ Once there, press the ↑ or ↓ arrow keys to find the setting number that you've designated for your particular job.
 - If you are unsure of which preset to use, press the **MENU** button again and select the **EDIT SETTING** option and press **ENTER**.

VIEWING, EDITING AND STORING SETTINGS

- ❖ Press the **MENU** button until you are at the **EDIT SETTINGS** option and press **ENTER**.
- ❖ The software will now ask for a **PASSCODE** to edit these settings.
 - The passcode is not definable by the end user, but is pre-set at the factory and therefore cannot be changed. It is best to keep the passcode setting in a secure location.

- The passcode (**1-0-2-1**) is based on pressing the function buttons a specific number of times in order from left to right.



PRESS ONCE | DO NOT PRESS | PRESS TWICE | PRESS ONCE

- ◆ Starting from the left and moving to the right, you would input this code as follows...
 - Once you've entered the correct code, you are taken to the **EDIT SETTING** menu.
- ❖ The first option available is **NUM. OF WRAPS**. This option tells the puck how many times to rotate around the wire wrapping the label.
 - Setting this number too large will cause the puck to continue revolving around the wire even after the label's been fully wrapped. This will not harm the machine or your wire, but will, over time, reduce your production speed.
 - Setting this number too small may not allow the Puck enough revolutions to wrap the label completely, which can cause flagging.
 - ◆ The number of wraps is dependent upon the length of your label. If you are using a longer label that is 2" (50.8mm) long or more, you may want to go to 3 wraps. A shorter label that is only 0.75" (19.05mm) tall may only require 2 wraps. In general, the Applicator will wrap about 1" of label per second.
- ❖ Press the **MENU** key again to go to the **LABEL HEIGHT** option.
 - The label can be set to dispense higher or lower, depending on your application.
 - ◆ Dispensing the label too high can cause the label to "flag" and setting it

too low can cause the wire to miss the label completely.

- ◆ In some cases, the wire need only touch the label to adhere itself before entering the Puck. In other cases, it is best to allow the wire to contact the label just below the top edge to maximize adhesion.
 - ◆ These adjustments allow maximum variability as each wire type and Application is different. "0" (zero) is set very low and as you increase the number, the label will dispense higher relative to the wire position. Each setting increment is approximately 1mm in height.
- ❖ Press the **MENU** key again to go to the **DWELL** option.
 - The user can define how long the wire will "dwell" on the label's adhesive before the machine pulls the wire and label into the puck to be wrapped. This is measured in milliseconds and can be useful when working with wires or cable that have different surface characteristics.
 - ◆ A very slick surface may slide past the label without giving the adhesive a chance to grab and hold the wire. Allowing a slight dwell-time can give the adhesive a chance to bond with the wire so that it holds tight during the wrap process.
 - ◆ "0" (zero) means you have no time delay for dwell and as you increase this number, the dwell time lengthens. Each setting increment is at about 100 ms or .01 seconds.
 - ❖ Pressing the **MENU** button again will take you to **ENT TO MAIN MENU** option. Press the **ENTER** key to return to the menu listing.
 - ❖ Any and all of the 10 settings can be edited, altered or completely changed if required.
 - It is recommended that you keep settings 0 through 3 as they correspond to the **Wire Diameter/Specification Chart** in **Appendix A**.
 - If these settings should be deleted or changed refer to **Appendix B: Factory Default Settings**, to return them to the factory defaults.

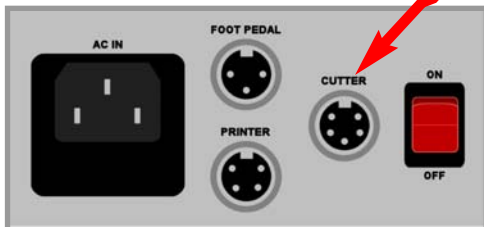
SPEED ENHANCEMENT

The Applicator is designed to wrap a standard size label around a wire in about 1.2 seconds. The unit has the ability to be adjusted to specific label lengths. The puck rotates 3 times as a default setting. This should cover most wire wrapping needs. However, if you are using a very short label, the puck may only need to cycle 2 times instead of 3. Also, if you stick to the label sizes as related to the wire sizes in the **Wire Diameter/Specification Chart** in **Appendix A**, you should be able to set the puck to cycle twice for all label sizes. This can save time in that one less revolution is needed to complete one wire wrapping cycle. If the unit is already operating fast enough for your needs, it is best to leave the number of revolutions at the default setting as you would need to adjust the wraps in the software if you changed to a longer label length.

USING AN EXTERNAL WIRE-CUTTING MACHINE

❖ If you will be using the Applicator in conjunction with a wire-cutting machine, you will need to allow communication between the two units.

❖ Refer to the power/interface panel opposite the Applicator door side to attach a communications cable between the Applicator's "cutter" port and the cutting machine.



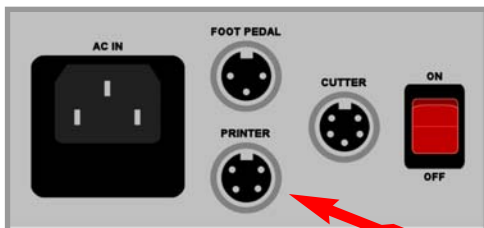
❖ To enable the Applicator to communicate with your cutter machine, press the **MENU** button four times (from the status screen) to go to the **CUTTER DISABLE/ENABLE** option.

- Press the \uparrow or \downarrow arrow keys to toggle between "enable" and "disable".
 - ◆ **DISABLE** - The Applicator will function independently as a stand-alone unit. It will not try to communicate with any external device.
 - ◆ **ENABLE** - The Applicator is ready to both send and receive a signal from an external wire-cutting machine. This setup must be done on a custom basis by the end-user, as each application is different.

PRINTING ON DEMAND

❖ If you do not intend to print each job separately (kitting) before going on to the next, you can print "on-demand" by attaching a HellermannTyton thermal transfer printer to your Applicator.

❖ Refer to the power/interface panel opposite the Applicator door to attach a communications cable between the "printer" port and the thermal transfer printer itself.








❖ To enable the Applicator to communicate with your printer, press the **MENU** button (from the status screen) three times to go to the **PRINTER DISABLE/ENABLE** option.

- Press the \uparrow or \downarrow arrow keys to toggle between "enable" and "disable".
 - ◆ **DISABLE** - The Applicator will function independently as a stand-alone unit. It will not try to communicate with any external device.
 - ◆ **ENABLE** - Every time the Applicator wraps a wire or cable, it will send a signal to the thermal transfer printer telling it to print another label before the Applicator will wrap again.

9 APPENDIX A: WIRE DIAM. TO LABEL CHART

Place your wire end over the appropriate circle that best represents your wire diameter. The wire diameter should not extend beyond the circumference of the circle and should not be bigger than the next smallest circle.

There are many more beyond this that can be tested before using with the Automatic Label Applicator. Wire gauge diameters vary widely depending on the insulation material.

Wire Guide	Label Part Nos.	Wire gauge/diameter and additional types	Applicator Setting(s)
	TAG51T1-402A or TAG26T1-402A	18-14 awg 0.112" (2.84mm) to 0.154" (3.91mm) <ul style="list-style-type: none"> ▪ 12 AWG 600V THHN, THWN, MTW or TW ▪ 10 AWG 600V THHN, THWN, MTW or TW ▪ Multi-conductor paired cable ▪ RG59 ▪ Thermal Coupled Wires ▪ Small mandrels, pipes, plastic or metal tubes 	0 or 1
	TAG2T1-402A or TAG22T1-402A	14-8 awg 0.150" (3.81mm) to 0.280" (7.31mm) <ul style="list-style-type: none"> ▪ 6 AWG THHS, THWN, MTW or TW ▪ 14 AWG THHS, THWN, MTW or TW ▪ 24 AWGX2P Data Cable ▪ 24 AWGX3P Data Cable ▪ 24 AWG Type CMG ▪ RG6 ▪ Thermal Coupled Wires ▪ Mandrels, pipes and plastic or metal tubes 	1 or 2
	TAG39T1-402A	8 - 6 awg 0.280" (7.31mm) to 0.350" (8.89mm) <ul style="list-style-type: none"> ▪ RG11, DA11, 16AWG Y2P ▪ 22 AWG 300V, Type CL3 ▪ 14 AWG - 4/C ▪ 18/2 SO ▪ Glass Coupled Wires ▪ Mandrels, pipes and plastic or metal tubes 	2 or 3
	TAG9T1-402A	6 - 3 awg 0.350" (7.31mm) to 0.400" (10.1mm) <ul style="list-style-type: none"> ▪ 600V 2 Gauge Welding Cable ▪ 4 AWG 600V HY ▪ Glass Coupled Wires 	2 or 3
	TAG40T1-402A	2 - 1 awg 0.400" (10.1mm) to 0.500" (12.7mm) <ul style="list-style-type: none"> ▪ Battery Cables ▪ 1 AWG 600V HY 	3

NOT RECOMMENDED: Bremen-insulated wires, braid-shielded wires, some types of smaller diameter glass-coupled wires, Teflon-coated wires, small fiber optic cables, and any wire that lacks stiffness or strength.

It is recommended that setting nos. 0-3 be kept as indicated in this grid because they correspond to the "Wire to Label Chart" in Appendix A.

Settings 4-9 are available for your own job-specific setup.

Setting No	Wraps	Height	Dwell
0	2	0	5
1	2	1	4
2	3	2	3
3	3	3	0
4-9	3	2	4

Your settings passcode is: **1 - 0 - 2 - 1**

APPENDIX C: LCD SCREEN ERROR MESSAGES

ERROR NUMBER 1	<p>The puck is not in the home position for labeling.</p> <ul style="list-style-type: none"> ✓ Press MENU to clear the error and cycle the machine once.
ERROR NUMBER 2	<p>The grippers are not in the home position.</p> <ul style="list-style-type: none"> ✓ Press MENU to clear the error and cycle the machine once.
ERROR NUMBER 3	<p>The label has not advanced up to the home position.</p> <ul style="list-style-type: none"> ✓ Make sure the tension guide roller below the label sensor is not set too tightly as to prevent the labels from advancing. ✓ Also, make sure there is enough clamping force on the two tension-arm rollers that pull the labels over the peel bar and down onto the rewinder. ✓ Check that the machine is loaded with labels. If you are feeding labels directly into the machine using a printer, make sure the printer has not encountered an error.
ERROR NUMBER 4	<p>Grippers in after dwell.</p> <ul style="list-style-type: none"> ✓ If the grippers stay in the puck after dwell, this error will appear. Press the MENU key to cycle the machine once.
ERROR NUMBER 5	<p>Puck Jam.</p> <ul style="list-style-type: none"> ✓ Turn off power. Remove wire or cable carefully. You can turn the motor servos by hand to complete the wrap process. Press MENU to clear the jam and cycle the machine.
ERROR NUMBER 6	<p>Label Advance to sensor error.</p> <ul style="list-style-type: none"> ✓ This means the sensor is not detecting movement of the label as it advances to the sensor. ✓ Make sure labels are loaded and that they are able to move smoothly. ✓ Make sure the tension guide roller below the label sensor is not set too tightly as to prevent the labels from advancing. ✓ Make sure there is enough clamping force on the two tension-arm rollers that pull the labels over the peel bar and down onto the rewinder. ✓ If you are feeding labels directly into the machine using a printer, make sure the printer has not encountered an error.
ERROR NUMBER 7	<p>Label Advance off sensor error.</p> <ul style="list-style-type: none"> ✓ This means the sensor is not detecting movement of the label as it advances away from the sensor. ✓ Make sure labels are loaded and that they are able to move smoothly. ✓ Make sure the tension guide roller below the label sensor is not set too tightly as to prevent the labels from advancing. ✓ Make sure there is enough clamping force on the two tension-arm rollers that pull the labels over the peel bar and down onto the rewinder.

LABEL ERROR DISPLAYED	<ul style="list-style-type: none"> ✓ Make sure that only HellermannTyton labels are in the machine. Confirm that the labels have been installed properly and follow the proper path through the machine.
LABELS WILL NOT DISPENSE	<ul style="list-style-type: none"> ✓ Ensure that the temperature of the environment is not too hot. Vinyl is a soft material and will lose stiffness when very warm. Reduce temperature of labels and machinery.
PRINTER ERROR DISPLAYED	<ul style="list-style-type: none"> ✓ Make sure the label printer is functioning. It should be printing labels at a rate that is as fast or faster than the Applicator. If slower, the printer could be holding the labels back, creating drag, which would cause the Applicator to go into an error mode. ✓ If your printer is set up to communicate with the Applicator, the software settings on the Applicator must be set to ENABLE. This setting allows the Applicator to send out a signal to the printer each time a wrap is completed. This will signal the printer to print the next label. ✓ If your printer is not set up to communicate with the Applicator, make sure the software settings are set to DISABLE. ✓ IMPORTANT: Your printing system and the Applicator are two independent systems. First, make sure that your software and printer are working properly before feeding the labels into the machine.
CUTTER ERROR DISPLAYED	<ul style="list-style-type: none"> ✓ If you are not using this machine in conjunction with a wire-cutting machine, make sure that the settings for the cutter are set to DISABLE. If you are using this machine in conjunction with a wire-cutting device, you will need to have set up a communication link between the two devices. In this case make sure cutter settings menu is set to ENABLE. In this manner, if one device fails, the Applicator will know to stop applying labels. The Applicator will send a signal out after each wrap and will wait until it receives a signal back from the cutter before wrapping again. If it receives no signal for a certain amount of time, this error will occur.
THE WIRE GOES PAST THE LABEL WITHOUT THE LABEL STICKING TO THE WIRE	<ul style="list-style-type: none"> ✓ Make sure your label height is set so that the wire makes contact with the top portion of the wire. ✓ Ensure that the type of wire insulation is conducive for the machine. Some wires such as Bremen Insulated wires or braided shielding wires and certain types of smaller diameter glass coupled wires, Teflon coated wires are not recommended. The surface acts like a Teflon coating and the adhesive of the label cannot stick to the wire. You can try increasing the dwell time of the label to the wire.
THE MACHINE STARTS FEEDING A NUMBER OF LABELS AT ONE TIME WITH AN ERROR	<ul style="list-style-type: none"> ✓ Make sure the labels are loaded properly. Check the label thread diagram carefully. In particular, pay close attention to the last two rollers before the tension-arm rollers.
THE LABEL IS FLAGGING ON THE WIRE AND IS NOT WRAPPING AROUND THE WIRE	<ul style="list-style-type: none"> ✓ First, make sure your label height is not too high. The wire should contact the top part of the label. If the wire hits near the center area, the label may simply fold over on to itself and cause a flag wrap.
THE LABEL IS WRAPPED LOOSELY AROUND THE WIRE	<ul style="list-style-type: none"> ✓ Some wires such as Bremen Insulated wires or braided shielding wires and certain types of smaller diameter glass coupled wires and Teflon coated wires are not recommend-ed. The surface acts like a Teflon coating and the adhesive of the label cannot stick to the wire. You can try increasing the DWELL time of the label to the wire. However, if the label is still slipping as it is wrapped, a loose wrap may result. The wire might not be compatible with the system.

THE LABEL IS COMING OUT OF THE MACHINE, BUT THE TAIL HAS NOT FULLY WRAPPED AROUND THE LABEL	<ul style="list-style-type: none"> ✓ As the Automatic Applicator has a speed enhancement capability, the number of rotations on the puck is variable. If the last setting is set to 2 revolutions, but the length of label requires 3 revolutions, the label might not be fully wrapped onto the wire. Increase the revolutions of the puck in the EDIT SETTINGS menu.
THE LABEL IS WRAPPED UNEVENLY ON THE WIRE	<ul style="list-style-type: none"> ✓ The labels will conform as well as possible to the wire as it feeds into the puck. If the wire has a bend or distortion, the label will still wrap around the highest points of the exposed wire. In the case of a bend in the wire, you may have a gap or valley that is not filled in when wrapped. Just ensure that the cables are as straight as possible when placed into the grippers.
LABEL IS MISSING AFTER WRAP	<ul style="list-style-type: none"> ✓ Ensure that there are no missing labels in the roll that was printed. Check to make sure the label didn't simply fall back down on the liner and continue on with the waste material. ✓ If the label is not sticking to the wire, a missing label can result. See the first trouble-shooting question at the beginning of this listing.
THE WIRE JAMS IN THE PUCK	<ul style="list-style-type: none"> ✓ If a jam occurs, turn off power to the unit before attempting to remove the jam.
THE LABEL DOES NOT WRAP COMPLETELY AROUND THE CABLE	<ul style="list-style-type: none"> ✓ If the label is not long enough to completely wrap around the cable, you must load the next largest size of label. Consult the manual for the wire range for each size of label.
THE LABELS WON'T DISPENSE OR FORM FEED OUT OF THE UNIT	<ul style="list-style-type: none"> ✓ Make sure that the labels are secured to the "take-up" spindle in the unit. This take-up spindle pulls the labels past the peel bar. If there is not enough tension or if the labels are not being pulled past the peel bar, the labels will not dispense and will not form feed. Also make sure the printed labels are flowing smoothly into the printer and are moving freely. If they are causing a drag on the system, it can shut the unit down.
THE APPLICATOR DOES NOT TURN ON	<ul style="list-style-type: none"> ✓ Make sure the side panel is completely shut or the unit will not turn on as a safety precaution. Make sure the unit is plugged in and has power.
THE FOOTSWITCH DOES NOT ACTIVATE THE UNIT	<ul style="list-style-type: none"> ✓ Make sure it is securely plugged into the back of the Applicator. Make sure that the CUTTER or PRINTER is not set to ENABLE unless you have these devices connected to the Applicator. Otherwise, the unit is waiting for an electronic signal and will not respond to the foot pedal or manual wrap button.
LABEL ERROR DISPLAYED	<ul style="list-style-type: none"> ✓ Make sure that only HellermannTyton labels are in the machine. Confirm that the labels have been installed properly and follow the proper path through the machine.
LABELS WILL NOT DISPENSE	<ul style="list-style-type: none"> ✓ Ensure that the temperature of the environment is not too hot. Vinyl is a soft material and will lose stiffness when very warm. Reduce temperature of labels and machinery.
PRINTER ERROR DISPLAYED	<ul style="list-style-type: none"> ✓ Make sure the label printer is functioning. It should be printing labels at a rate that is as fast or faster than the Applicator. If slower, the printer could be holding the labels back, creating drag, which would cause the Applicator to go into an error mode. ✓ IMPORTANT: Your printing system and the Applicator are two independent systems. First, make sure that your software and printer are working properly before feeding the labels into the machine.

LABEL CADDY

Part No. CADDYALA



KITTING REWINDER

Part No. AS200



KITTING SPOOLS



Part No. SPOOL8X1

Description: 8.0" O.D. x 1.0" wide kitting spool

Part No. SPOOL8X.5

Description: 8.0" O.D. x 0.5" wide kitting spool

Part No. SPOOL5X1

Description: 5.0" O.D. x 1.0" wide kitting spool

Part No. SPOOL5X.5

Description: 5.0" O.D. x 0.5" wide kitting spool

APPENDIX F: TECHNICAL SUPPORT

If you have any questions, contact the Identification Support Center

address **7930 N. Faulkner Road • Milwaukee, WI 53224**

phone **800-537-1512 • 414-355-1130**

fax **800-848-9866 • 414-355-7341**

website **<http://www.hellermann.tyton.com>**

email **tagprint@htamericas.com**

BE SURE TO REGISTER YOUR ALA100-AUTOMATIC LABEL APPLICATOR WITH US TO RECEIVE FREE EMAIL/TELEPHONE TECHNICAL SUPPORT, PRODUCT UPDATE INFORMATION, SOFTWARE UPGRADES, AND APPLICATOR ACCESSORY INFORMATION.

SIMPLY FILL OUT THIS FORM - COMPLETELY; MAKE A PHOTOCOPY OF THIS SHEET AND FAX IT TO THE IDENTIFICATION SUPPORT CENTER AT 414.355.4412.

CONTACT INFORMATION:

Name _____ Company _____ Title _____
Address _____ City _____ State _____ Zip _____
Phone _____ Ext. _____ Fax _____ Email _____

THE ALA 100 - AUTOMATIC LABEL APPLICATOR:

Model No. _____ Serial No. _____
Purchased From _____ Location _____ Date _____

AUTOMATIC LABEL APPLICATOR ACCESSORIES:

Part Name _____ Part No. _____ | Part Name _____ Part No. _____
Purchased From _____ Location _____ Date _____

WHERE DID YOU HEAR ABOUT THE ALA 100 - AUTOMATIC LABEL APPLICATOR:

Advertisement _____ Trade Show _____ Direct Mail _____
 Catalog _____ Website _____ Rep Group _____
 Distributor _____ Salesperson _____ Other _____

HellermannTyton

A  **SPIRENT** Company

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