



# Power Supply / Controllers

for Delta Regis 32V DC Electric Screwdrivers

## Operating Instructions

For use with the following models:  
ECT300; ECT300E; ECT320; ECT345; ECT345E



# WARNING

## READ AND UNDERSTAND ALL INSTRUCTIONS

Disconnect the controller power cord from the receptacle before performing any maintenance on this tool. Do not attempt to repair this tool unless you are a qualified technician. When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all instructions before using the tool. Be sure to save this manual for future reference.

## IMPORTANT SAFETY INSTRUCTIONS

### 1. Work Area

- 1-1 Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- 1-2 Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.  
Power tools create sparks which may ignite the dust or fumes.
- 1-3 The temperature and humidity should be kept at appropriate levels.
- 1-4 Keep bystanders, and visitors away while operating a power tool. Distractions can cause the operator to lose control.

### 2. Electrical Safety

- 2-1 Use proper voltage as specified in the manual.
- 2-2 When using a commercial supply, be sure to set up circuit and safety breakers.
- 2-3 Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
- 2-4 Avoid body contact with grounded parts such as pipes, metal structures or other electrical products. There is an increased risk of electrical shock if your body is grounded.
- 2-5 Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electrical shock.
- 2-6 Do not set up the power supply in a room that has poor ventilation or where it may be exposed to dust and metallic flakes.
- 2-7 Don't abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet by the cord. Keep the cord away from heat, oil, sharp edges, and moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- 2-8 When operating a power tool outside, use an outdoor extension marked 'W-A' or 'W'. These cords are rated for outdoor use and reduce the risk of electric shock.

### 3. Personal Safety

- 3-1 Do not put heavy objects on top of the power supply or pile things on it.
- 3-2 Attach the power supply securely to a flat stable surface. If the power supply is put in a high place, take special care to ascertain that there is no danger of it falling.
- 3-3 Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tools when tired or under the influence of drugs, alcohol, or medication. A momentary lack of attention while operating a power tool may result in serious personal injury.

### 4. Tool Use and Care

- 4-1 Store idle tools. When not in use, the controller should be stored in a dry and secured area.
- 4-2 Maintain controller with care. Inspect controller cord periodically and if damaged, have it repaired by an authorized service center.
- 4-3 It must be emphasized that the controller be placed in a stable, fixed location.

## SERVICE AND OPERATING CAUTIONS

### 5. Service

- 5-1 Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 5-2 When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.
- 5-3 Check for damaged parts. Before further use, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Have defective switches replaced by an authorized service center. Do not use controller if switch does not turn it on and off.

### 6. OPERATING CAUTIONS

- 6-1 When plugging and unplugging the screwdriver's connecting cord and the electrical cord of the power supply, firmly grasp the plug portion of the cord.
- 6-2 Do not tug on a cord to unplug it or put it near oil or hot objects. Also be sure that the cord does not rub against sharp edges.
- 6-3 Do not drop the power supply or treat it roughly.
- 6-4 Use only the designated Delta Regis Tools, Inc. electric screwdrivers with this power supply. Do not use the power supply with any other mechanisms.
- 6-5 If the power supply overheats, and the breaker behaves abnormally, stop the mechanism's operation and send it for repair.
- 6-6 Please do not recklessly dismantle the power supply and attempt to make repairs on your own.
- 6-7 Do not drop or abuse the controller.
- 6-8 Whenever a controller is not being used, position the power switch to the "OFF" position and unplug the power cord.
- 6-9 If you turn the power supply to the "LOW" setting, you may not be able to use it at its highest torque setting.

## NOTICE

The use of other than genuine Delta Regis Tools, Inc. replacement parts may result in decreased tool performance and increased maintenance, and may invalidate all warranties.

## Specifications

Model	Input	Output (Hi/Lo)	Outlets	Dimensions (mm)	Weight (kg)
ECT300	115V AC, 50/60 Hz	32/24V DC, 2.5A	1	210 x 118 x 85	2.5
ECT345	115V AC, 50/60 Hz	32/24V DC, 2.5A	2	210 x 118 x 85	2.5
ECT320	100-240V AC, 50/60 Hz	32/24V DC, 5A	1	195 x 75 x 55	0.5
ECT300E	230V AC, 50/60 Hz	32/24V DC, 2.5A	1	210 x 118 x 85	2.5
ECT345E	230V AC, 50/60 Hz	32/24V DC, 2.5A	2	210 x 118 x 85	2.5

These power supply / controllers are intended for use with the following lever start models:  
ESL310-ESD; ESL310S-ESD; ESL311-ESD; ESL312-ESD; ESL323-ESD; ESL324-ESD; ESL327-ESD; ESL328-ESD;  
ESL329-ESD

These power supply / controllers are intended for use with the following push-start models:  
ESL323P-ESD; ESL324P-ESD; ESL327P-ESD; ESL328P-ESD; ESL329P-ESD

**Note:** This compatibility list is complete at the time of printing. Future models of screwdrivers may be added to this list.

## SERVICING

### Maintenance and Inspection

1. Ensure the controller does not get overheated. A 10-15 screw per minute duty cycle is recommended.

## CAUTION

1. Genuine Delta Regis Tools replacement parts must always be used in order not to invalidate warranty.
2. All repairs and maintenance of this controller must be performed by an authorized service center.
3. Delta Regis Tools, Inc. is not responsible for customer modification of controller for applications on which Delta Regis Tools, Inc. was not consulted.
4. Repairs should be made only by authorized, trained personnel. Consult your nearest Delta Regis Tools authorized service center.
5. It is the responsibility of the employer to place the information in this manual into the hands of the operator.

## DO NOT ATTEMPT TO REPAIR THIS EQUIPMENT

All repairs and maintenance of the controller and its cord must be performed by an authorized service center.

## CAUTION - SAVE THESE INSTRUCTIONS