

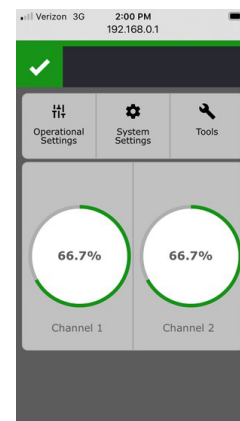
EcoBead™ E

Electric Stitching Solution

High-performance electric applicator driver and pattern generator

Features

- Program driver settings via Wifi with any PC or smart device
- Two trigger inputs and two output channels
- Small driver size, DIN rail mounting and connectorized cabling facilitate installation in OEM control cabinet
- Each output can be:
 - Programmed to drive different applicator types
 - Tested independently via purge button or a signal from a PLC or a Wifi enabled PC or handheld smart device
- Four bead modes available: Dot/Gap, Dot/Savings, Stitch and Solid
- LEDs indicate triggers, outputs and system status at a glance
- Fully configurable to support current and future Nordson applicators
- Wifi connection:
 - Allows field software upgrades
 - Allows easy, no-touch configuration
 - Allows ability to back up settings
- Digital I/O:
 - Enable/disable output or purge
 - Fault indicated via NPN connection if an open/short coil or a thermal fault is detected



The EcoBead™ E is a high-performance, two-trigger, two output-channel electric applicator driver that easily installs in a control cabinet to interface with a PLC. EcoBead™ E can also be programmed to generate a pattern of dots or stitched beads to deliver any desired level of adhesive savings. The driver comes programmed with settings for the E400 series electric applicator but can be configured via Wifi to drive many other hot melt or liquid adhesive electric applicators.

EcoBead™ E applicator drivers support communication to the PLC via the digital I/O. The configurable inputs can be used to purge or enable each channel or both channels at once. The status of the EcoBead™ E is communicated to a PLC through an NPN connection.



Specifications

Ambient Temperature Range	0–50°C (32–122°F)
Power Supply High Voltage	110–240 VAC (fuse-protected) max. 450W depending on the load
Enclosure Rating	IP40
Driver Electrical Output Capacity (current-controlling peak followed by a reduced holding level)	Each Output <ul style="list-style-type: none"> • 1 electrical applicator at full performance • 2 electrical applicators in series at reduced performance
Driver Bead Modes	<ul style="list-style-type: none"> • Dot/Gap • Dot/Savings • Stitch • Solid
Trigger Input	Opto-isolated by driver, PNP
Trigger Level	18-30 VDC
Number of Channels	2
Diagnostic LEDs	Power / System Status
Diagnostic LEDs per Channel	<ul style="list-style-type: none"> • Trigger • Output/Status
Output	NPN output that is active while the system is powered and running properly (100 mA max current)
Inputs	Three configurable inputs that can be used for channel enable/disable or purge
Configuration	All configuration and diagnostics done through Wifi enabled PC or handheld smart device
Connections	All connections are with M-type connectors
Mounting	DIN rail, 35mm
Dimensions (WxHxD)	6" x 4.25" x 1.75" 152.4mm x 108mm x 44.45mm

Driver Software Parameter Ranges

Parameter	Description	Range
Peak Current	Target current level for initial peak	0.0–4.0A
Hold Current	Target current level for hold	0.0–2A
Peak Time	Time for initial peak	0.01–10.0 ms



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