

# LogiComm® Gun Driver

*High-performance electric gun driver simplifies setup and operation in hot melt or liquid adhesive applications*



The LogiComm gun driver is a high-performance electric gun driver supporting all Nordson® adhesive electric guns for hot melt or liquid adhesive applications. The LogiComm driver has four trigger inputs to interface to a pattern control, PLC or other device. The driver is available with four- or eight-gun outputs, each with either convenient external quick-disconnect connectors or traditional terminal blocks where IPX4 water protection is needed.

Each output is independently programmable to respond to any of the four trigger inputs and can control a different type of gun on each channel. The LogiComm gun driver makes setup easy; the user only needs to select the gun type from the menu and the appropriate predefined settings for that gun load automatically. The flexible design also allows the driver to be programmed with customized gun output settings.

Setup and troubleshooting are aided by LED indicators as well as sophisticated diagnostics. In addition an alarm signal can be sent to a remote device such as a PLC.

Future driver firmware upgrades are performed via the internal USB port.

## Features

- Each output can:
  - Be assigned to one of four triggers
  - Be enabled or disabled for product changes
  - Drive a different type of gun
  - Be activated using the purge button for testing, purging or flushing
- Fully programmable to support current and future Nordson guns
- Two output modes: normal/bead and dot (fixed time duration)
- Operator panel displays status and simplifies installation and setup
- Self-diagnostics, display and status indicators simplify troubleshooting
- USB connection for firmware upgrades and to save/restore settings (electrically isolated from internal power circuitry)
- Internal 24 VDC power supply eliminates the need for a separate power supply for Eclipse™ EPC pattern controls
- Input line filter helps withstand high levels of noise, permitting reliable operation in industrial and factory environments

## Specifications

<b>Gun Outputs</b>	4 or 8 channel
<b>Gun Series Supported</b>	All Nordson electric guns including: e.dot, E400, E-35X, E380, E-700, M-70X, EM10X, EM-90X, LA 820, LA 822, WM 801, WM 83X, WM 84X, WM 88X, WM 94X
<b>Gun Drivers</b>	80 Watts maximum per 4 channel driver (160 Watts total)
<b>Independent Triggers</b>	4 opto-isolated (NPN or PNP; source or sink) in either the four- or eight-gun output versions
<b>Trigger Input Voltage</b>	10 - 30 VDC
<b>Dot Mode Time Range</b>	0.1 - 12.7 ms (0.05 ms increments)
<b>Manual Purge/Test</b>	Purge or flush. Either mode available with hammering
<b>Alarm Output Contact</b>	One form C potential-free contact. Fail-safe design (active when OK; inactive when fault, power off or disconnected). Contact rating: 0.5 Amps at 250 VAC
<b>Display Type</b>	Backlit graphic LCD
<b>Maximum Power Requirement</b>	200 Watts (2 Amps)
<b>Electrical Service</b>	170-264 VAC typical; 50/60 Hz; 1 phase 90-132 VAC or 170-200 VAC at reduced gun performance
<b>Ambient Temperature Range</b>	0 - 50° C (32 - 122° F)
<b>Approvals and Certifications</b>	CE and ISO 9001
<b>Environmental</b>	IP X4: terminal block version IP 30: connector version
<b>Mounting</b>	Cast mounting feet with 2 holes (top) and 2 slots (bottom)
<b>Dimensions (WxHxD)</b>	327 mm x 311 mm x 163 mm 13 in. x 12 in. x 6 in.



Terminal block version



External connector version



For more information, talk with your Nordson representative or contact your Nordson regional office.

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