

# microglue® 428 Pattern Controller



The simplest and easiest to use 4 channel, 8 output pattern controller available on the market

GMS-VanSco microglue® 428 Series controllers provide outstanding performance at an affordable price, making them the perfect fit for commercial folders, pocket folder gluers, straight line folder gluers and conveyor / tipping or card inserting systems. The 428 features four channels, four events per channel, four optical sensor inputs and two encoder inputs along with distance based stitch and eight high power outputs.

## Get these immediate benefits:

- Easily program four separate events each: a line, dot or stitch pattern
- Configure outputs to activate numerous types of glue valves or tape applicators with high power, constant current outputs
- Real time adjustments to system outputs that make it simple for operators to get the exact pattern needed
- Program each event to apply multiple glue patterns with distance-based pattern stitching
- Improve versatility with up to four optical sensor inputs, dual encoder inputs, proportional control of glue pressure, shutter control and pump control



428 pattern controller is part of the GMS-VanSco range of microglue® solutions



The four channels can be programmed independently to achieve different patterns



*428 pattern controller features four channels, with four events and two outputs per channel*

## Features:

- Inch, centimeter or millimeter operation and distance based stitch pattern control
- Multi-lingual operator interface
- Four channels. 4 events per channel and 2 outputs per channel
- Hot and cold glue gun remote purging
- Optical sensor lockout feature
- Patented output speed compensation
- Shutter control for cold glue guns
- Dual encoder inputs
- Proportional control output for glue pressure
- Adjustable output characteristics allow for use of any manufacturer's output device:
  - Drive current: 0.01 to 3.00 amps
  - Hold current: 0.01 to 3.00 amps
  - Drive time: 0.01 to 100 milliseconds

## Specifications:

<i>Programming Resolution:</i>	<i>0.01 inch, 0.3 mm</i>
<i>Maximum Glue Line Length:</i>	<i>100 inch, 2540 mm</i>
<i>Maximum Product Length:</i>	<i>100 inch, 2540 mm</i>
<i>Accuracy:</i>	<i>0.01" at 1,000 ft/min, 0.3 mm at 500 m/mm</i>
<i>Maximum Product in Queue:</i>	<i>10 pieces between optical sensor and glue valve</i>
<i>Input Power:</i>	<i>90 to 240 VAC</i>
<i>Input Frequency:</i>	<i>47 to 63 Hz</i>
<i>Glue Valve Output:</i>	<i>3 amp MAX output current</i>
<i>Shutter Control Outputs:</i>	<i>12 VDC, 100 watts</i>
<i>Batch Kicker Output:</i>	<i>12 VDC, 100 watts</i>
<i>Proportional Control:</i>	<i>0 to 10 VDC</i>
<i>Size (H x L x W):</i>	<i>13.250 x 8.187 x 3.025 inch</i>
<i>Weight:</i>	<i>5.6 lb</i>

## Encoder Specifications:

<i>Rotary Encoder Inputs:</i>	<i>2</i>
<i>Operating Voltage:</i>	<i>+5 VDC</i>
<i>Revolution:</i>	<i>600 PPR</i>
<i>Spring Mechanism:</i>	<i>Internal bi-directional</i>
<i>Design:</i>	<i>Ultra compact</i>
<i>Friction Wheel:</i>	<i>6 inch circumference, polyurethane cast ring on an aluminum hub</i>
<i>Cable:</i>	<i>12 ft with modular RJ45 connector</i>

## Optical Sensor Specifications:

<i>Optical Sensor Inputs:</i>	<i>4</i>
<i>Operating Voltage:</i>	<i>10 to 30 VDC</i>
<i>Continuous Current:</i>	<i>300 ma</i>
<i>Response Time:</i>	<i>1 ms</i>
<i>Light Source:</i>	<i>Infrared</i>



**For more information, visit [microglue.com](http://microglue.com) or contact your local representative.**

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