

microglue®

428 Series 4 channel 8 output controller

The 428's 4 channels, 2 events per channel, 4 optical sensor inputs and 2 encoder inputs along with it's distance based stitch and 8 high power outputs provide outstanding performance at an affordable price.

Microglue® 428 features

Inch, centimeter or millimeter operation

Two individually programmable events per channel

Four optical sensor input

Programmable output selection for 12 or 24 volt devises

Hot and cold glue gun purging

Optical sensor lockout feature

Patented output speed compensation

Hot melt pump control

Shutter control for cold glue guns

Distance based stitch pattern control

Programmable output maximums frequency settings

Dual encoder inputs

Proportional control for glue pressure



Microglue 428

The **microglue®** 428 is the simplest and easiest to use 4 channel pattern controller available on the market today. Each channel is capable of being programmed for two separate events each a line, dot or stitch pattern. The 428 high power constant current outputs can be configured to allow you to operate many different types of glue or tape applicators. The 428 allows real time adjustments to its outputs, making it simple for operators to get the exact pattern needed. The systems distance based pattern stitching capability allows each event to be programmed to apply multiple glue patterns. Features such as 4 optical sensor inputs dual encoder inputs proportional control of glue pressure and shutter and pump controls make the 428 a very versatile controller. Like all GMS pattern controls the 428 incorporates our patented speed compensation, output cutoff speed and optical sensor lockout features. The 428 is a perfect fit for commercial folders, pocket folder gluers straight line folder gluers and conveyor / tipping or card inserting system



428 4 channel 2 event 8 output pattern controller

Specifications:

GENERAL

CHANNELS	4
EVENTS PER CHANNEL	2
OUTPUTS PER CHANNEL	2
OPTICAL SENSOR INPUTS	4
ROTARY ENCODER INPUTS	2
SHUTTER CONTROL OUTPUT	1
BATCH KICKER OUTPUT	1
HOT MELT PUMP OUTPUT	1
SHUTTER CONTROL OUTPUT	1
PROPORTIONAL CONTROL OUTPUT	1



ELECTRICAL DATA

INPUT POWER	90 to 264 VAC
INPUT FREQUENCY	47 to 440 Hz
GLUE VALVE OUTPUT	2.5 MAX Output current
SHUTTER CONTROL OUTPUTS	12 VDC, 100 watts
BATCH KICKER OUTPUT	12 VDC, 100 watts
PROPORTIONAL CONTROL	0 to 10 VDC,

PROGRAMMING SPECIFICATIONS

PROGRAMMING RESOLUTION	.01 inch, .3 mm
MAXIMUM GLUE LINE LENGTH	100 inch, 2540 mm
MAXIMUM PRODUCT LENGTH	100 inch, 2540 mm
ACCURACY	.01" at 1,000 ft/min, .3mm at 500 m/mm.
PURGE FREQUENCIES	1000,500,333,250,200,150,100,75,50,25,10, or 5 Hz
OUTPUT FREQUENCY LIMITS	1000,500,333,250,200,150,100,75,50,25,10, or 5 Hz
MAXIMUM PRODUCT IN QUEUE	10 pieces between optical sensor and glue valve

DIMENSIONS

SIZE (H x L x W)	13.250inch x 8.187inch x 3.025 inch
WEIGHT	5.6 lbs,

OPTICAL SENSOR—

OPERATING VOLTAGE	10 to 30 VDC
CONTINUOUS CURRENT	300 ma
RESPONSE TIME	1 ms
LIGHT SOURCE	Infrared

ENCODER—

OPERATING VOLTAGE	+5 VDC
RESOLUTION	600 pulses per revolution
SPRING MECHANISM	Internal bi-directional
DESIGN	Ultra compact
FRICTION WHEEL	6 inch Circumference polyurethane cast ring on an aluminum hub
CABLE	12 foot with modular RJ45 connector