

# microglue®

## 204 Series 2 channel 8 output controller

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*Programmable easy to use distance or time based controller. The 204's 2 channels, distance based stitch and 8 high power outputs provide outstanding performance at an affordable price.*

### Microglue® 204 features

- Multi-lingual operator interface**
- Inch, centimeter or millimeter operation**
- Dual voltage outputs to operate 12 or 24 volt devices**
- Programmable output cut off speed**
- Optical sensor lockout feature**
- Patented output speed compensation**
- Hot melt pump control**
- Shutter control for cold glue guns**
- Distance or time based pattern control**
- 48 volt high power tickle voltage**
- Expandable operating system for system expansion**
- Programmable output maximum frequency settings**
- Sheet fed or continuous forms operation**
- Product and batch counter**

### *Microglue204*



The microglue 204 is the simplest and easiest to use pattern controller available on the market today. Each channel is capable of being programmed for a line, dot or stitch pattern. The 204 multiple voltage outputs allow you to operate many different types of glue or tape applicators. 12 and 24 volt DC mechanisms can be used simultaneously even on the same channel. The 204 allows real time adjustments to its outputs making it simple for operators to get the exact pattern needed. The system's distance based pattern stitching capability allows each output to be programmed to apply multiple events.

With the system multilingual operator interface and features like output cutoff speed, speed compensated outputs and optical sensor lockout the 204 controller is capable of handling many applications. The 204 is a perfect fit for commercial folders, pocket folder gluers straight line folder gluers, conveyors and tipping or card inserting system.



## 204 2 channel 8 output pattern controller

### Specifications:

#### 204 CONTROLLER—

##### GENERAL

CHANNELS	2
EVENTS PER CHANNEL	1
OUTPUTS PER CHANNEL	4
OPTICAL SENSOR INPUT	1
ROTARY ENCODER INPUT	1
AUXILIARY OUTPUT	1
SHUTTER CONTROL OUTPUT	1
BATCH KICKER OUTPUT	1
CE / TUV COMPLIANT	YES



##### ELECTRICAL DATA

INPUT POWER	24 VDC and 48VDC at up to 5 amps
GLUE VALVE OUTPUT	12 and 24 VDC, 200 watts
NOZZLE SHUTTER OUTPUT	12 and 24 VDC drive, 200 ma N.O. relay contact
BATCH KICKER OUTPUT	12 and 24 VDC drive, 200 ma N.O. relay contact
TICKLE VOLTAGE OUTPUT	45 VDC $\approx$ .25 to 1 ms (load dependent capacitive discharge)

##### PROGRAMMING SPECIFICATIONS

PROGRAMMING RESOLUTION	.01 inch, .1 mm
MAXIMUM GLUE LINE LENGTH	100 inch, 2540 mm
MAXIMUM PRODUCT LENGTH	100 inch, 2540 mm
ACCURACY	.1" at 1,000 ft/min, 2.5 mm at 300 m/min.
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	64 pieces between optical sensor and glue valve

##### DIMENSIONS

SIZE (HxLxW)	2 x 6.25 x 8 inch, 5.08 x 15.875 x 20.32 cm
WEIGHT	2.25 lbs, 1 Kg
MOUNTING FASTENERS	10-32 X 3/4, 5 mm

#### P250 POWER SUPPLY—

##### GENERAL

OUTPUT TERMINALS	Four at 24/48VDC
ON/OFF SWITCH	Illuminated
COMPLIANCE	CE / TUV

##### ELECTRICAL DATA

INPUT	85 to 264 VAC
OUTPUTS	Four at 24/48 VDC at 7.5 amps max
POWER CONSUMPTION	300 watts
INPUT FREQUENCY	47-63Hz
OUTPUT POWER	250 watts

##### DIMENSIONS

SIZE (HxLxW)	2 x 6.25 x 8 inch, 5.08 x 15.875 x 20.32 cm
WEIGHT	2.25 lbs, 1 Kg
MOUNTING FASTENERS	10-32 X 3/4, 5 mm

#### OPTICAL SENSOR—

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