

DY 2008 PATTERN CONTROLLER



The Dynatec Advantage

- **4 to 128 Channels**
- **16 Patterns per Channel**
- **Trigger Inputs for Each Channel**
- **4 Pressure Outputs**
- **4 Scalable Machine Speed Inputs**
- **55VDC or 170VDC Over-Excitation**
- **Easy-to-Navigate Menu Structure**
- **Memory for 60 Programs**
- **Modes Include Standard, Continuous and Random Length**
- **Configurable for "Lines" or "Dots"**
- **Dedicated Shutter Control**
- **Automatic Random Length Program**
- **Up to 12-Point Pressure Output Curves**
- **RS 232/RS 485 Interface (Option)**
- **Profibus Interface (Option)**
- **Machine Speeds to 1200m/min (4000fpm) @ 0.5mm (.02")**

SPECIFICATIONS



Electric Input

Voltage: 115/200/230VAC,
50/60Hz, ±10%
Power: 180 W Max (8 channel)

Outputs (per channel)

4 to 128 Channels (4 channel increments)
Voltage: 24VDC
Over-Excitation: none, 55 or 170VDC
Over-Excite Time: .5 to 2.5ms, .05ms steps
Power: 20W

Modes (per channel)

Standard: Line or Stitch for glue duration above minimum speed
Standard with Dot: Line or Stitch above minimum speed, Dot below minimum speed
Dot: Dots at any machine speed
Random Length: Pattern applied above low speed as long as trigger is active
Continuous with trigger: Continuous gluing as long as trigger is active
Continuous with Trigger &

Speed: Continuous gluing as long as trigger active and above low speed
Continuous with Speed: Continuous gluing above low speed

Pattern (per Channel)

Head Position: 0 to 8000mm (0 to 80.00")
Pattern Length: 0 to 8000mm (0 to 80.00")
Stitch Glue or Gap: 1 to 200mm (.01 to 2.00")
Dot Configuration: Gap: 1 to 8000mm (.01 to 9.99")
Glue: .10 to 9.90ms
Compensation: 0 to 999mm (0 to 9.99")

Memory

60 glue pattern programs may be stored in permanent memory

Stop Function

"Glue Starts Above" & "Glue Stops Below": 0 to 999m/min (0 to 999ft/min), each encoder

External input (X19): NPN/PNP or Contact, entire system
Stop: Front Panel, entire system

Trigger Lock

1 to 8000mm (.01 to 80.00"), each trigger

Triggers

1 Trigger/Channel, any channel may be assigned to 1 of 4 "Master" Triggers
Any trigger may be "Anded" with "Master"
Configurable as PNP or NPN
Any channel may be assigned no trigger to disable it

Speed Detection

4 encoder inputs assignable to any channel, separately scalable
Scaling: 1 to 9999ppm (.01 to 99.99ppi)
Max Speed: 1200m/min (2000ppm) 4000fpm (50ppi)
Metric or Inch

Pressure Control:

4 pressure outputs, each

selectable to 0-10VDC, 0-20mA or 4-20mA
Each assignable to any encoder
Individually selectable 2 or 12-point pressure curves
Individually selectable purge pressure setting

Shutter Control

1 dedicated output
1 dedicated trigger or any of 4 "Master" triggers
Voltage: 24VDC, no Over-Excitation
Power: 15W
Dwell after last trigger input: 0 to 99 sec

Data Interface

RS 232/RS 485 (option)
Profibus (option)

Alarm Outputs

"Alarm" & "Stop"
dry contact outputs

Size & Weight

8-Channel: 326 x 308 x 150mm (12.8 x 12.1 x 9.8") (W x D x H), 10.3 Kg (22.6 lbs)

ITW Dynatec™

Adhesive Application Solutions



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