

# DY 2002 PATTERN CONTROLLER



## The Dynatec Advantage

- **2 Channels**
- **4 Patterns per Channel**
- **Memory for 12 Programs**
- **Distance-Based, Time-Based and Driver Modes**
- **Trigger Inputs for Each Channel**
- **Programmable Pressure Run-Up**
- **Easy-to-Navigate Menu Structure**
- **Integrated Palletization Mode**
- **Built-In Production Counters**
- **Machine Speeds to 600m/min (2000fpm) @ 0.5mm (.02")**
- **Scalable Machine Speed Input**
- **55VDC or 170VDC Over-Excitation**

# SPECIFICATIONS

## Electric Input

Voltage: 115/200/230VAC,  
50/60Hz, 10%  
Power: 120 W Max

## Outputs (per channel)

2 Channels  
Voltage: 24VDC  
Over-Excitation: 55 or 170VDC  
Power: 20W

## Distance Modes

- Standard
- Standard with Dot
- Dot
- Random Length
- Continuous with Trigger and Speed
- Continuous with Speed
- Driver

## Pattern (per Channel)

Pattern Length (distance mode):  
0 to 8000mm (0 to 80.00")  
Pattern Length (time mode):  
8000ms in 1ms steps

## Memory

12 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)  
External input (X8): NPN/PNP or  
Contact, entire system  
Stop: Front Panel, entire system

## Trigger Lock

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

## Triggers

2 trigger inputs, either may be  
assigned to any channel,  
Triggers may be "Anded,"  
Configurable as PNP or NPN

## Encoder Scaling

500 to 4000ppm (5.00 to  
99.99ppi)  
Maximum Speed: 600m/min  
@ 2000ppm (2000fpm @ 50ppi)

## Pressure Control

1 pressure output, selectable to  
0-10VDC, 0-20mA or 4-20mA,  
2 point pressure curve,  
Individually selectable purge  
pressure setting

## Remote Purge Control

Distances to 10m (33ft) from  
control unit

## Production Counters

Job count and total count for  
each trigger input

## Palletizing Gluing

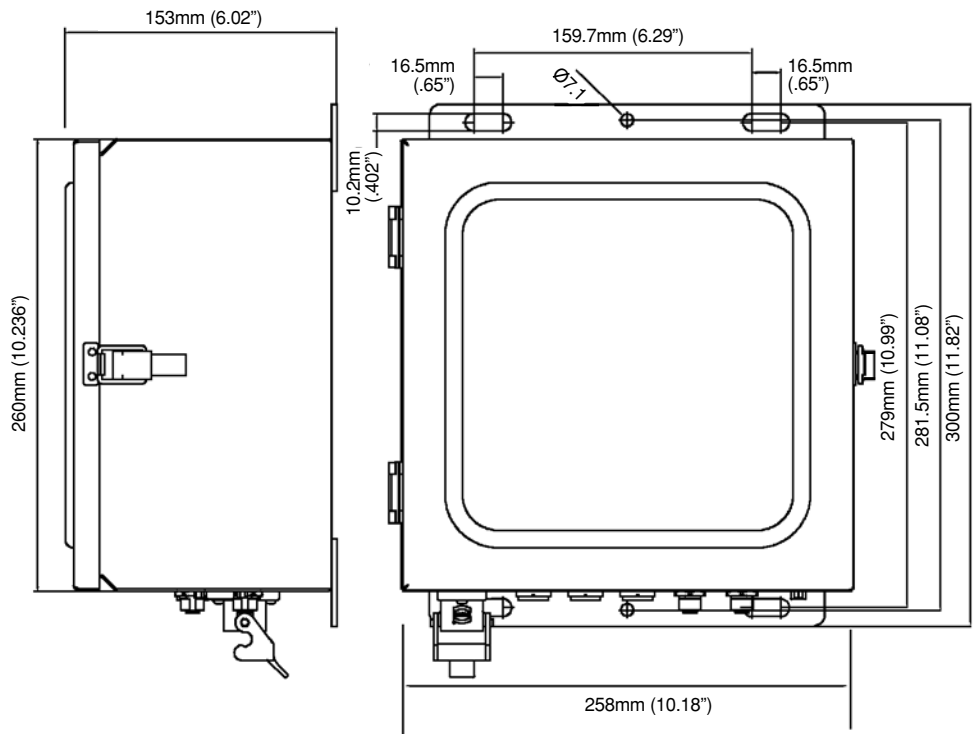
Programmable for up to 99  
glue and passed products

## Alarm Outputs

Stop and Alarm/Zero Speed,  
dry contact outputs



**Size & Weight:** 258 x 153 x 300mm (10.2 x 6.0 x 11.8in) (W x D x H), 8.5 Kg (18.6 lbs)



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Adhesive Application Solutions



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