# DiPro® 1500

**Easy, efficient
and reliable
protection
for your dies
and presses**



*WINTRISS*®

## Protects Your Press and Dies

A Die Protection system like the Wintriss DiPro 1500 can prevent costly die repairs and reduce press downtime.

Using sensors installed in and around the die, the DiPro 1500 can detect malfunctions such as misfeeds, improper part ejection, material buckle, and other die threatening conditions.

## Versatile Monitoring

In addition to constantly monitoring both normally open and normally closed static sensors, the DiPro 1500 gives you several options for monitoring events that must occur once each press cycle. or even intermittently while the machine is running.

## Optional Programmable Cam Switch

A 4 or 8-channel programmable cam switch can be added to allow the DiPro 1500 to provide timing signals to feeding equipment, part blow-off, lube systems and other ancillary equipment.

# FEATURES

SETTINGS FOR 200 TOOLS

SIX SENSOR INPUTS

INDIVIDUAL READY SIGNALS FOR EACH SENSOR INPUT

SIMPLE PROGRAMMING INTERFACE

DESCRIPTIVE ERROR MESSAGES AND SENSOR NAMES FOR IMPROVED TROUBLESHOOTING

LED DISPLAY FOR PRESS SPEED AND CRANK ANGLE

ALLOWS ON-THE-FLY ADJUSTMENTS

PARTS, BATCH, AND TOTAL HITS-ON-TOOL COUNTERS

OPTIONAL PROGRAMMABLE CAM WITH 4 OR 8 OUTPUTS

# SPECIFICATIONS

| | |
|---|---|
| **Equipment** | Main enclosure: 12" x 10.25" x 4" (30.5 x 26 x 10.2 cm)<br>Resolver: 0.75" keyed shaft, 200lb axial/radial load rating |
| **Power** | Input: 85-264 VAC, 50-60 Hz, 30 Watts |
| **Inputs** | 6 Sensor inputs<br>Resolver input<br>Resolver slippage input<br>Resolver chain break input<br>Remote reset input<br>Inch disable (setup mode) input |
| **Outputs** | Dry contacts for Top and Emergency stop - 0-4A resistive, @120 V max (AC or DC), normally open, held closed<br><br>24 VDC, 200 mA available for electronic sensors |
| **Max. Speed** | 800 SPM (1600 SPM at reduced resolver resolution) |
| **Accuracy** | 2/3 degree, (1-1/3 degrees for high speed option) |
| **Display** | 8 line x 40 Character LCD, 3-digit LED angle/speed display |
| **Memory** | 200 Tool Numbers with built-in battery backup |
| **Counters** | 7-digit Good Parts and Batch counters with presets<br>7-digit Totals Hits counter for each tool |
| **Options** | 4 or 8 channel Programmable Limit Switch<br><br>DSI 2 for electronic sensors.  The DSI 2 is available with 8 sensor inputs, and features a built-in 24VDC power supply to power your sensors.   It is available with front panel connectors for wiring individual sensors, along with a variety of larger connectors (including a heavy duty 19-pin M23 connector) for use with die-mounted junction boxes that allow you to connect up to eight sensors to the DSI with a single cable.<br><br>Wintriss also offer a complete line of sensor connection hardware including die-mountable junction boxes. |



*Optional DSI 2, 8-port Heavy Duty Die Plug, and QDP/HD-19 kits*

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