Press Pilot 150
OSHA, ANSI & CSA Compliant Clutch / Brake Controller

The Press Pilot 150 is an OSHA, ANSI & CSA compliant clutch/brake controller. This dual processor clutch/brake package controls basic clutch/brake functions on part revolution mechanical stamping presses. This controller allows up to four (4) operator stations, has six (6) modes of operation (off, inch, single, auto-single, continuous & COD), comes standard with a time-based brake monitor and can use a resolver or encoder for its press position input. It is available in a 120VAC or 24VDC (CE Compliant) input voltage. The Press Pilot 150 monitors clutch and counterbalance air pressure, protects against top stop overrun, and has motion and drift detection.

The Press Pilot 150 is an integrator friendly, cost-effective solution for a clutch/brake controller. It’s small footprint and ability to use a resolver, in a master or slave mode, allows for maximum flexibility with existing systems. As an option, the Press Pilot 150 is able to communicate via Ethernet with Allen-Bradley ControlLogix or CompactLogix processors. This means the HMI, drive, PLC and clutch/brake controller can all communicate over Ethernet.
**Diagnostics**

Maintenance can easily view the status of any input on the Press Pilot by viewing the input diagnostics screens. These diagnostics screens can save time when troubleshooting.

**Hydraulic Overloads**

Standard with the Press Pilot 150 is hydraulic overload control and monitoring. The overload settings can be configured for a high or low fault input or output.

**PLS**

Optional are two (2) programmable limit switch outputs. These PLS outputs are designed for functions such as feed initiate and pilot release.

**Auxiliary Inputs**

Immediate and top stop inputs allow integrators to easily add additional monitoring devices, such as feeders or transfer systems, to stop the press on top or immediately.

**Integration**

The Press Pilot 150 can be integrated with any of our other automation products (DPPlus, Co-Pilot or Maximizer) to give you total press control (TPC).

**Technical Support**

Toledo Integrated Systems can provide on-site technical support and turn-key installation.

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### Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>8” W x 10” H x 5.5” D</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>120VAC or 24VDC</td>
</tr>
<tr>
<td>Communications</td>
<td>Binary (Ethernet Optional)</td>
</tr>
<tr>
<td>Position Input</td>
<td>Resolver (Master or Slave), Encoder or Cams</td>
</tr>
<tr>
<td>Speed Limits</td>
<td>1500 SPM</td>
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</tbody>
</table>

### Standard Options

- Dual processor w/watchdog circuit
- Anti-tie down & repeat protection
- Dual channel monitored E-stop circuit
- Protected memory (each processor)
- Time based brake monitor
- 90° brake monitor stop test
- Off, inch, single & continuous modes
- Auto-single & COD (continuous on demand) mode
- Clutch & counterbalance air pressure monitoring
- Clutch valve fault monitor input
- Up to four (4) operator stations
- Press position verified each cycle
- Speed compensated top-stop
- Top stop overrun protection
- Uncommanded motion & drift detection
- Counters (batch & stroke)
- 120 VAC or 24VDC E-stop circuit
- Light curtain interlocks
- Auxiliary immediate & top-stop inputs
- Ethernet Communications
- Flush mount kit
- Light curtain (mute on upstroke)

(2) PLS outputs

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