

# WEBMAX

## Web Break Detection Systems

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### **Ultrasonic Press Protection 300,000 Times A Second**

#### **-Web Break Detection System-**

U.S. Automation's WebMax has been protecting printing presses around the world for over a decade. Using the latest generation of ultrasonic sensor technology, the WebMax system instantly detects web breaks, simultaneously engages the press E-Stop circuit, and fires web severers before costly web wrap-up damage can occur. The WebMax system can store up to 36 user-created "jobs", which allows the system to be instantly re-configured for different web-up configurations. WebMax is simple to use and can be configured for the most basic of commercial press lines to complicated newspaper presses with many different web leads and multiple folders.



High Speed Ultrasonic Web Detection

#### **-Smart Sensor Technology-**

WebMax uses ultrasonic smart sensors that monitor web movement and detect web breaks as soon as they occur. The use of ultrasonic sensors eliminates many common causes of false triggering found in photocell based systems. The use of smart sensor technology further eliminates false triggers from slime holes and web flutter. Up to 60 ultrasonic sensors can be installed with each WebMax system and up to four sensors can be installed in each sensor bar. Sensors can be laterally positioned within the web detector bar without tools. Web detector bars are installed on the press using either existing press frames or clamp mounted directly to idler roller shafts.



WebMax PLC Controller Sub Panel

#### **-Controls Package-**

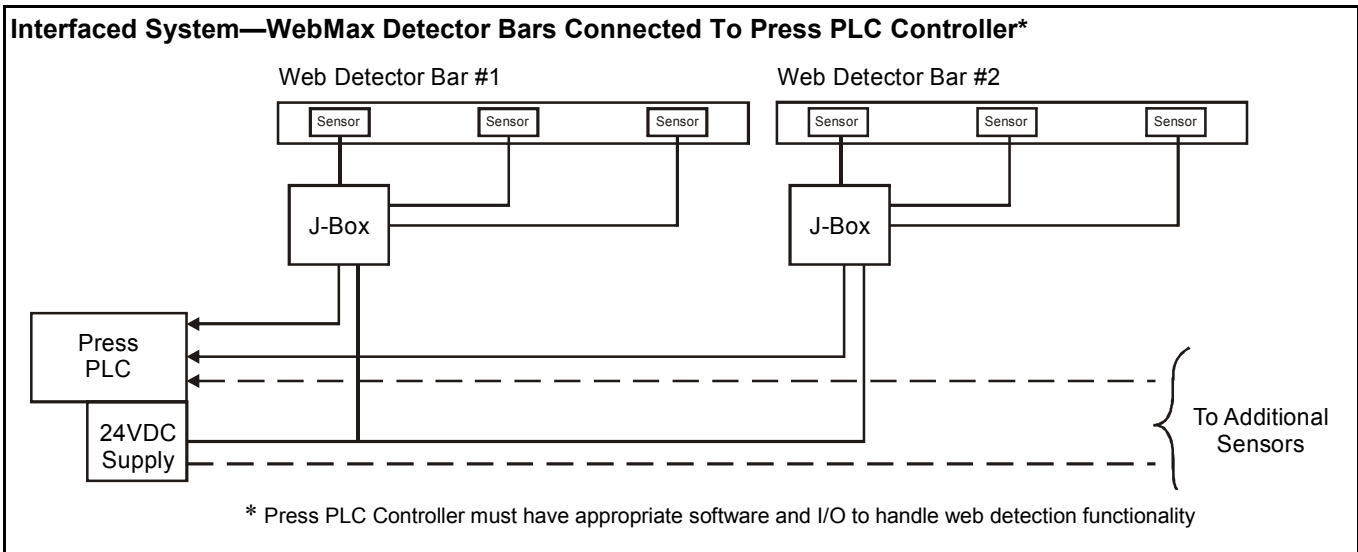
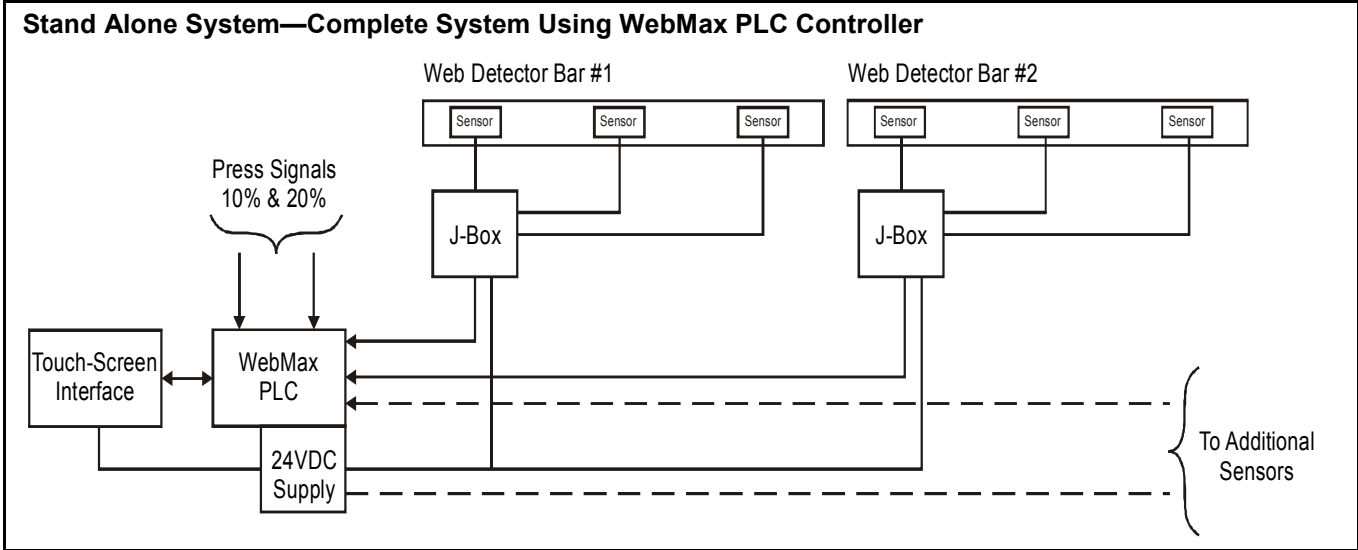
The WebMax controls package consists of a color touch-screen interface, Master Control Unit (PLC), power supply, and I/O relays. The WebMax PLC accepts timing signals from the press in order to automatically arm the web break detectors and web severers. The touch-screen operator interface provides all operator control functions from a main menu screen. Screens are available for live system status, sensor arming, job setups, review of fault messages, etc. If a web break occurs, the WebMax system graphically displays the location of the break.

The WebMax system uses all high-quality durable components that will provide many years of reliable operation. Let us provide you with an effective and reliable solution to protect your press from web break damage.



Programmable Touch-Screen

**-System Configurations-**



**SPECIFICATIONS**

**System Power Requirements**

Voltage: 120/230 VAC @ 15 Amps Single Phase  
 WebMax PLC: Indramat IndraDrive  
 Inputs: Press Arming: 2 Severer Arming: 2  
 Sensor Inputs: 60  
 Outputs: Press Stop: 2 Independent E-Stop Circuits  
 Severer Firing Signals: 12 Programmable  
 Operator Interface: 6" Color Touch-Screen  
 User Program: Job Storage Maximum: 36 User Defined  
 Password Protected User Access  
 Fault History Log  
 Sensors: Ultrasonic, Sonic Frequency 300Khz  
 Supply Voltage: 24VDC @ 50mA (no load output)  
 Sensing Range: 5" (127mm)  
 Outputs: PNP, NPN  
 Indicators: Power & Detect Status Bi-Colored LED  
 Max Per Bar: 4 (Typical 2)  
 Detector Bars: Aluminum Extruded  
 Max Width: 90" (2286 mm)  
 Mounting: L-Bracket or Idler Shaft Clamp Mount

**WEBMAX FEATURES**

- High Speed Protection From Web Breaks
- Self Arming & Resetting
- Control of Multiple Press Stop Circuits
- Programmable Web Severers
- High Quality Ultrasonic Sensors
- PLC Based with Color Touch Screen User Interface
- Adjustable Sensors for Various Web Widths
- Available With or Without PLC Control Package
- Configurable for Commercial or Newspaper Presses