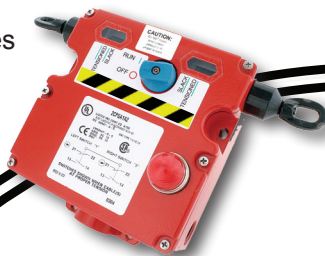


# R.M. Wright Co. can supply you with multiple safety devices and controls to fulfill your *Total Safety Solution!*

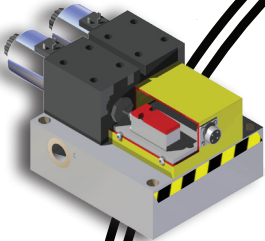
Rope Pull Switches



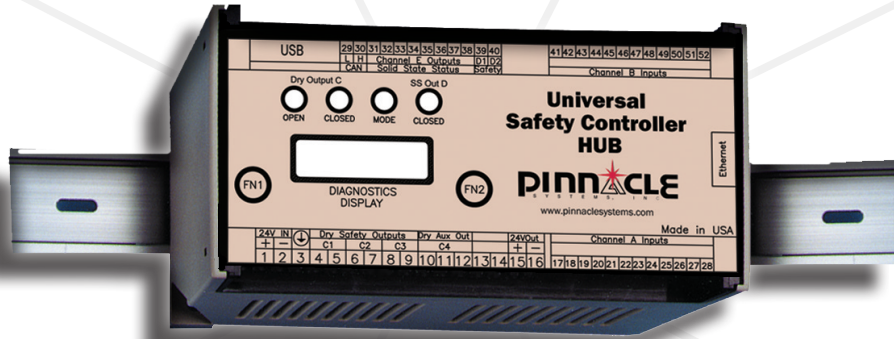
Safety Interlock Switches



Hydraulic Control Reliable Valves



Pneumatic Control Reliable Valves



Safety PLC's

Status Indicators



Ergonomic Palm Buttons



Safety Light Curtains



Safety Mat Systems



**TRMW R.M. WRIGHT CO., INC.**  
Total Safety Solution

**PINNACLE**  
SYSTEMS, INC.

Safety Sensors and Controls for Industrial Machine Guarding Systems

www.pinnacle systems.com

# Universal Safety Controller HUB / Safety PLC

Customized control panels available in steel or stainless steel enclosures.



The Universal Safety Controller HUB from Pinnacle Systems replaces multiple individual freestanding safety relay modules into one completely integrated and multi-faceted safety center. The Safety Controller HUB contains a multitude of input wiring provisions for various safety devices that will be incorporated on the machine to be guarded or controlled. The HUB also contains dry contact safety relays and solid-state outputs in one complete, compact control reliable safety controller package. This provides ease of installation, improved safety and economic improvement on both installation and hardware cost.

Typical safety device inputs that can be monitored and controlled by the Safety HUB are: safety interlock switches (all types), safety light curtains, E-stopswitches, cable-pull switches, safety mats, "control reliable" valves, muting systems, operator two hand controls which contains anti-tie down/concurrency logic functions, EDM (External Device Monitoring) and much more.

## Safety Light Curtains

### Model CA - Cascading Safety Light Curtain

Cascading safety light curtains provide the user the ability to connect additional sets of light curtains by daisy chaining multiple emitters and receivers together. The cascading of safety light curtains provides multiple areas of guarding in any plane (X, Y, Z), while utilizing the control reliable dual safety outputs from the Category 4 safety device for the safety outputs to the machine control. The ability to guard multiple areas on irregular shaped machines by cascading safety light curtains reduces wiring and provides a lower cost yet effective machine guarding solution. 24VDC input powered unit. Also, all connecting cables are supplied standard.

### Model MG - Metal Box Controller and Safety Light Curtain

Light curtain with a free standing NEMA 12 (IP 64) metal box controller. Input power can be 110V, 220 VAC or 24 VDC. Excellent for "free standing" light curtain applications. Complete system diagnostics and blanking capability supplied standard. Also, all connecting cables are supplied standard.

### Model DR - DIN-rail Controller and Safety Light Curtain

Light curtain with a DIN-rail mountable controller rated NEMA 1 (IP 10) for mounting into an existing control panel. Input power is 24VDC. Complete system diagnostics and blanking capability supplied standard. Also, all connecting cables are supplied standard.

### Model SS - Solid State Safety Light Curtain

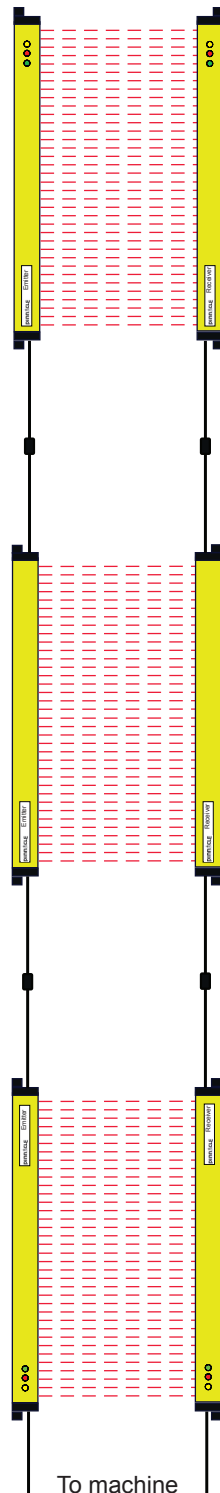
Light curtain with no 3rd box or controller. Unit is rated NEMA 4 (IP 56) and has two monitored solid state PNP outputs. Mechanical captive contact (dry) safety relays also available. Input power is 24VDC. Complete system diagnostics and blanking capability supplied standard. Also, all connecting cables are supplied standard.

### Model CE - Solid State Outputs Global Safety Light Curtain

Designed to be supplied to any marketplace in the world. Light curtain with no 3rd box or controller. Unit is rated NEMA 4 (IP 56) and has two monitored solid state PNP outputs. Mechanical captive contact (dry) safety relays also available. Input power is 24VDC. Complete system diagnostics and blanking capability supplied standard. Also, all connecting cables are supplied standard.

### Model PPG - Perimeter Guarding

Free standing 2 pylon 110 VAC input power system with built-in monitored safety relays (dry). A multitude of beam spacing options are available for arm and body detection. Model PPG is designed for perimeter guarding applications. Also, all connecting cables are supplied standard.



## UltraTouch Ergonomic Palm Buttons

The patented Pinnacle UltraTouch system has been designed as a direct replacement for standard spring loaded mechanical palm buttons and is designed to fit into existing operator palm button stations without modification. This gives UltraTouch an unparalleled level of safety while giving the operator the benefit of using the correct ergonomic hand position of neutral, 0° deviation and 100% hand power.



## Safety Interlock Switches

**Any Style - Any Application!**

**A complete line of safety switches to fulfill your Total Safety Solution!**

Key-operated safety interlock switches, Cable-pull switches, Hinge-mount switches, Trapped key switches, Solenoid key switches, Positive-opening contacts, Non-contact products for door detection, Miniature switches for smaller openings, Explosion proof safety switches and both Single and Dual head rope pull switches. Switches are designed to reduce installation time, costs and are tamper resistant.



## Pressroom Products

**PressCommander - The Ultimate Clutch/Brake OSHA and ANSI Control with Complete Press Automation Built-In**

Exceeds OSHA 1910.217 & ANSI B11.1-2009, "Control Reliable Design," Dual logic power supplies, Heavy duty resolver, System diagnostics and programming in plain English/Spanish, Can control up to four sets of operator stations, Major faults such as E-Stop, motion, brake monitor, and sensor faults are handled by two force-guided relays (Form B safety relays), Off--inch--single--continuous, Continuous ARM; top stop, anti-tie down and anti-repeat, SPM Range -1 to 500, Password and supervisory controlled keyed selector switch for security of data entry, Interrupted stroke provision with indicator, Inch mode monitoring, Crank angle and speed readout (SPM), Time-based brake monitor, Built-in motion detector and drift fault, 90° and 270° stop time tester/meter built-in, Built-in hour meter for maintenance, Built-in variable speed compensation, Servo-feed interface built-in, Six optically isolated die protection inputs, Six PLS (programmable limit switch) output relays, 100 job memory, Stroke, batch, quality, and part counters, Batch counter output relay, Die protection output relay, Speed output relay, Auxiliary output relay, Optional Ethernet or DeviceNet and PC Link to allow offline job creation and storage.



### PressCam 8

PressCam 8 is a "control reliable" resolver based programmable cam switch, time-based brake monitor, die protection system, multiple counters, and much more in one package. The system contains two 16-bit computers that are configured to cross check each other and the resolver. The dual computers are interfaced with a full view 8" (203mm) diagonal LCD computer screen for viewing and programming ease. This large operator screen supplies operators and front line supervisors production data without the need of cumbersome menu and program access codes.



### PressCam 8 Junior

The PressCam 8 Junior is a resolver-based press automation controller that incorporates a programmable cam limit switch, timed-based brake monitor, servo feed control, four counters, and a die protection system. The PressCam 8 Junior is controlled by a 16-bit computer that constantly checks the resolver for accuracy.



### BM-1600 Time-Based Brake Monitor

The BM-1600 is a time-based brake monitor that utilizes a high resolution encoder and controller to measure the brake stopping time in milliseconds and also the RPM/SPM of the press. The rotary encoder is attached to the subject machine and is driven on a 1:1 ratio by the power press crankshaft. The brake stopping time of the machine will be displayed on every stop and can be easily read on the bright red light emitting diode (LED) display on the front panel of the unit. The RPM/SPM of the machine will be displayed during the machine cycle.



## Safety Mat Systems

**Any Size, Any Shape, Any Style!**

**Most durable Mats in the World!**

### STTS - Soft Tactile Transducer Sensor

Heavy duty and flexible safety mat system. The Category 4 STTS Controller actually pulses each individual mat every 19Ms to assure no tampering to the mat or controller was attempted. Simply the most durable safety mat system in the world. Customized shapes and sizes of mats is our specialty.

### NSD - New Switching Device

Heavy duty and flexible safety mat system. The Category 3 controller meets all safety standards. This style system is the traditional style of a normally open (NO) switch mats. Customized shapes and sizes of mats is our specialty.

### Direction of Travel Mats

A Revolutionary Technological Breakthrough! Provides electronic tracking of personnel as they move across the mat surface. Excellent for high security or homeland security applications.

### High-Temp Welding Mats

High-temp non-skid safety mat for use in harsh environments such as robotic welding and hot forging applications. The mats can have irregular cuts, contours, notches or wiring locations to accommodate specific welding cell layouts. The maximum size of one mat is 72" wide x 144" long and can be made into any configuration.



## Additional products to achieve your **Total Safety Solution!!!**

- Safety Light Curtains
  - Model SS - Solid State Outputs
  - Model MG - Metal Box Controller
  - Model DR - DIN-Rail Controller
  - Model CA - Cascading Light Curtains
  - Model CE - Global Product (Solid State Outputs)
  - Model PPG - Perimeter Guarding
- Universal Safety Controller HUB / Safety PLC
- Safety Mat Systems and Controls
  - Area Guarding Systems
  - NSD Safety Mat Systems
  - STTS Safety Mat Systems
  - Direction of Travel Mats
  - High-Temp Welding Mats
- Ergonomic Palm Buttons
  - UltraTouch Palm Buttons
- Safety Interlock Switches (including explosion proof)
- Customized "control reliable" controls for dual solenoid activated pneumatic and hydraulic valve applications

- Energy Isolation and Single Point Lockout Systems
- Plant Surveys, Risk Assessment & Installation Services
- Customized Control Panels; Stainless Steel enclosures available for all products

### Punch Press / Metal Stamping Industry

- Resolver or Rotary Cam Based Clutch / Brake Controls - OSHA/ANSI Compliant
- Punch Press Automation Controllers
- Time-Based Brake Monitors
- Programmable Limit Switches
- Die Protection & Tonnage Monitoring Systems
- Servo Feed Interfaces

### Press Brake Guarding and Controls

- Press Brake Guarding for Mechanical, Air Clutch and Hydraulic Press Brakes
- Press Brake Control Systems



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Total Safety Solution

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We would appreciate the opportunity to work with you and your organization to achieve your Total Safety Solution. Contact us today!

### Additional Product Lines:



**Honeywell**



**TRD Manufacturing, Inc.**  
A BIMBA Company



Triad Controls, Inc.