

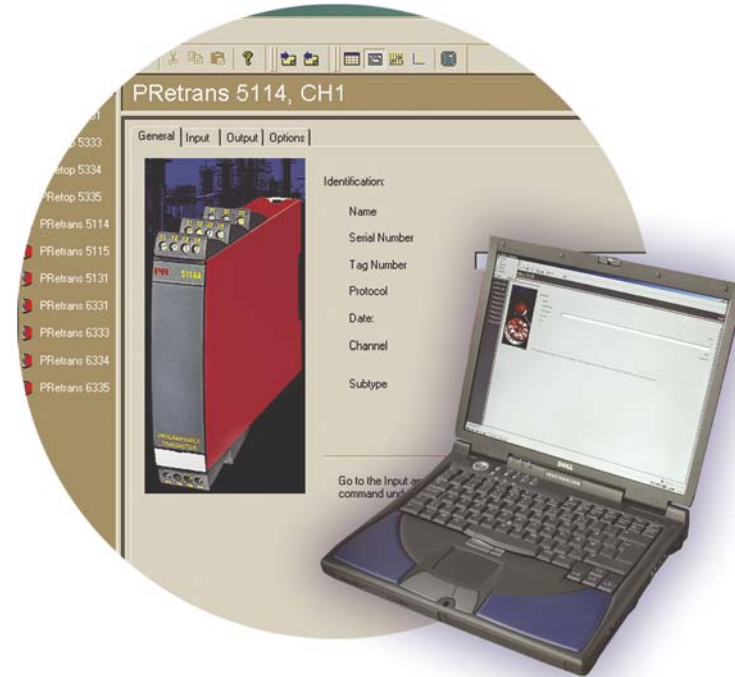
Easy Configuration with PReset Software

Transmitters, converters and panel meters from PR electronics are quickly configured to suit the specific application. The configuration is carried out by way of dip switches or via a standard PC and our user-friendly PReset software. All parameters can be configured from PReset within a few minutes. Quickly and simply!

Menu functions available in PReset:

- Conversion
- Inversion
- Scaling
- Linearization
- Calculation
- Process calibration
- Error detection

PReset software can be download free from web site: www.prelectronics.com



STREAM SHIELD ...patented reliability

Operational reliability is achieved by efficiently protecting the transmitter against outside disturbances. STREAM SHIELD is our patented technology providing the transmitter with a high basic accuracy, maximum protection against electromagnetic noise, and an extremely low temperature coefficient. This reliability is reflected in concrete product advantages satisfying our customers' demands for quality and stability and always backed up by our five-year guarantee.



High immunity to conducted noise generated by frequency converters or switchmode power supplies.

High immunity to HF noise generated by airborne disturbances from mobile phones, walkie-talkies etc.

High immunity to energy-loaded transients generated by e.g. contactors.

High immunity to burst noise generated by e.g. relays.

Extremely low temperature coefficient down to 0.002%.

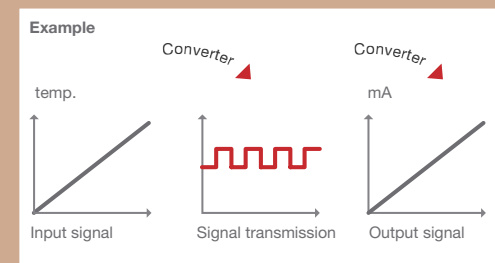


... Has been developed and patented by PR electronics. This is a new

technology acting as a shield and efficiently protecting the signal against outside disturbances.

How does it work? It is simple, and yet complex. Here is the simple explanation:

A converter modulates the incoming signal to a stream of bits. Via a so-called phased-locked log-in filter the STREAM SHIELD technology protects the bits against outside disturbances, thus allowing the demodulated signal to be converted to an analog or a digital output signal with an extremely high degree of accuracy.



PR electronics Inc
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PR electronics - Your total supplier of Signal Conditioning solutions

- Reliable products
- 5-year warranty
- State-of-the-art technology
- Quick and reliable delivery
- Worldwide distribution & approvals
- ISO 9001 & ATEX certified
- Easy installation and service
- Technical documentation for worldwide use
- Local and quick support

Signals the Best

Reliability is our contribution to higher efficiency and safety in our customers' processes. The means to achieve this objective is quality in all stages of the order: Product, technical documentation, delivery time, and technical support in short, all aspects which are of importance to our customers.

Inconspicuousness is often the best proof that we fulfil our mission. But in critical situations our customers can rest assured that PR electronics always

»Signals the Best«.

Please contact us for more information or visit our website:

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Representative / Distributor



Total Supplier & World Leader

of Signal Conditioning Products
High Performance - Low Cost



Panel Meters ◀

Isolators & Converters ◀

AC/DC Power Supplies ◀

Intrinsic Safety Systems ◀

Temperature Transmitters ◀

Isolated Intrinsic Safety Barriers ◀

SIGNALS THE BEST

About PR electronics

PR electronics offers a wide range of analog and digital signal conditioning modules for industrial automation. All products comply with the most exacting international standards and the majority feature our patented STREAM-SHIELD technology ensuring reliability in even the worst of conditions. »Signals the Best« is the epitome of our philosophy – and your guarantee for quality.



Galvanic isolators for analog and digital signals. A wide product range with both loop-powered and universal AC/DC powered isolators featuring linearization, inversion, and scaling of output signals.



Programmable panel meters with a wide selection of inputs and outputs for display of temperature, volume, weight, etc. Feature linearization, scaling, and difference measurement functions for programming via PReset software.



Intrinsically safe isolator interfaces for analog and digital signals as well as HART® signals between sensors - I/P converters / frequency signals in division 1 & 2 hazardous locations. Feature options such as mathematical functions and 2 wire transmitter interfaces.



A wide selection of transmitters for DIN form B mounting and DIN rail modules with analog and digital bus communication ranging from application-specific to universal transmitters.



Flexible motherboard solutions for intrinsic safety system 5000 modules. Our backplane range features flexible 8 and 16 module solutions.



Isolated Signal Conditioning and Converters

DIN rail or surface mount

- ▶ Universal AC/DC powered & loop-powered
- ▶ Scaling & signal conversion
- ▶ Trip amplifiers
- ▶ Frequency/pulse modules
- ▶ Custom linearization
- ▶ Configured by PReset Software or dip switches



Input	Output	Isolation	Features
<ul style="list-style-type: none"> • mA • mV • V • Potentiometer • Hz 	<ul style="list-style-type: none"> • mA • V • Hz • Relays 	<ul style="list-style-type: none"> • 1, 2 or 4 chan. • 2.0 kVAC • 3.75 kVAC 	<ul style="list-style-type: none"> • Scaling • Conversion • Linearization • Inversion • Alarm/control



Economical Intrinsic Safety Barriers/ Isolators

DIN-rail mounting - no ground required

- ▶ Analog inputs & outputs
- ▶ Digital inputs & outputs
- ▶ Combination universal AC/DC power supply and 2 wire transmitter isolator
- ▶ Division 1 & 2
- ▶ Configured by PReset Software or dip switches



Input	Output	Isolation	Features
<ul style="list-style-type: none"> • mA • mV • V • Potentiometer • Hz • HART® 	<ul style="list-style-type: none"> • mA • V • Relays • Hz • HART®. 	<ul style="list-style-type: none"> • 1 or 2 channel • 3.75 kVAC 	<ul style="list-style-type: none"> • Repeater • Driver • Supply • Linearization • Alarm/control



Temperature Transmitters

DIN rail mount and
DIN form B hockey puck

- ▶ 2-wire transmitters isolated & nonisolated
- ▶ TC, RTD & universal
- ▶ Easily configured by PReset Software
- ▶ HART® & bus Communication
- ▶ General purpose, intrinsically safe & nonincendive versions



Input	Output	Features
<ul style="list-style-type: none"> • RTD • TC • Lin. R • mA • mV 	<ul style="list-style-type: none"> • mA • HART® • Profibus® PA • Foundation™ F. 	<ul style="list-style-type: none"> • Difference measurement • Average measurement • Redundancy measurement • PID regulation

Digital Panel Meters

Bright displays for all applications

- ▶ 4 & 4½ digit LED/LCD
- ▶ Weather tight NEMA 4 front
- ▶ Universal AC or DC powered
- ▶ Loop powered
- ▶ Easily programmed by PC or dip-switches

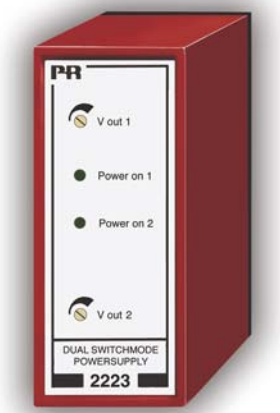


Input	Output	Features
<ul style="list-style-type: none"> • RTD • TC • mA • mV • V • Lin. R • Potentiometer 	<ul style="list-style-type: none"> • Display • mA • V • Relay. 	<ul style="list-style-type: none"> • Linearization • Scaling • Conversion • Alarm/control • Min/max readout • Load cell function

Reliable Compact Power Supplies AC to DC

DIN rail or surface mount

- ▶ Low cost switch mode supplies
- ▶ AC or DC input & outputs
- ▶ Fixed or adjustable output
- ▶ Single or dual supply versions
- ▶ Power from 7 to 48 watts



Input	Output	Features
<ul style="list-style-type: none"> • 24 VAC • 110/115 VAC • 230 VAC • 40 VDC 	<ul style="list-style-type: none"> • 5...24 VDC • 2 x 5...24 VDC • 15 VDC • 12 & 24 VAC 	<ul style="list-style-type: none"> • Voltage adjustment • Isolation • 1 or 2 channel