

# 5700 series *Displays*

PERFORMANCE  
MADE  
SMARTER



TEMPERATURE | I.S. INTERFACES | COMMUNICATION INTERFACES | MULTIFUNCTIONAL | ISOLATION | DISPLAY



# PR

A large, glowing red digital display showing the number 57. The digits are composed of thick, rounded segments with a slight glow effect.

1



2



3

### Efficiency in focus

The process industry puts a constant focus on efficiency and in this connection reliable and extremely precise signal conditioning is an absolutely essential prerequisite. With a sharp eye on this fact, PR electronics has developed and manufactured modules for signal conditioning and process control since 1974 and today we are one of the few companies who back every product with a 5-year product guarantee.

### The 5700 display series

5714, 5715 and 5725 (1/8 DIN, 96x48 mm) are designed to achieve the optimally efficient process while meeting user needs for universal, user-friendly and reliable displays. 5714 and 5715 have a universal input for analog and temperature signals, while 5725 features a universal input for pulse signals.

15

3 ● 4



OK



#### Also tailor-made OEM solutions

5714, 5715 and 5725 can be delivered with private labels on the front and an application-modified configuration. Incoming signal linearization is another function available for OEM customers. Contact us for further information.

#### Just in time

5714, 5715 and 5725 are the result of PR electronics' market knowledge and innovative product development. Development, test and production have been carried out in the production facilities in the Danish headquarter which is optimized for day-to-day delivery of all PR modules.

## Multifunctional 7 product variants for hundreds of applications

PR electronics has designed 5714, 5715 and 5725 for multifunctional use and the 7 product variants of the 5700 series cover hundreds of applications, meaning reduced stock, as well as increased flexibility and competitiveness.

- Universal supply voltage 21.6...253 VAC / 19.2...300 VDC.
- Universal input (5714 & 5715): mA, V, RTD, TC and potentiometer.
- Universal input (5725): switch, NAMUR, NPN, PNP, TTL, Tacho, SO, 0...50 kHz.
- 2-wire supply (5714 & 5715): 25...15 VDC / 0...20 mA.
- Sensor supply (5725): NAMUR, NPN, PNP & SO, 5...17 VDC / 20 mA.
- Universally approved for use in the USA (UL), Europe (CE), as well as in the marine industry (DNV).
- Advanced relay setup, e.g. on/off delay.
- Programmable response time on the analog output.

Wires are connected in no time in the screwless terminals.



Universal supply voltage.

Universal input for analog and temperature signals (5714 and 5715) or pulse signals (5725).

## User-friendly multilingual menu

The communication between user and display is characterized by its simplicity, and the configuration can be carried out without using a detailed manual. The following features optimize the usability of the PReview 5714, 5715 and 5725:

- Front-programmable via simple menu.
- Easily readable, scrolling help text in the 14-segment LED display.
- 8 languages in the menu: English, German, French, Spanish, Swedish, Italian, Czech and Danish.
- Fast test of relay functions as each relay can be activated and deactivated independently of the input signal.
- Automatic cold junction compensation via internally mounted sensor (5714 & 5715).

The 14-segment display provides easily readable text.



Same text in a 7-segment display.

## Reliable 5 year product guarantee

Reliable signal conditioning has been the hallmark of PR electronics since 1974 and we are among the few manufacturers on the market who back every product with a 5-year guarantee. 5714, 5715 and 5725 offer numerous integrated protection features, such as:

- High degree of galvanic isolation between supply, relays and analog output.
- Over-current protected analog input (5714 & 5715).
- Current-limited analog output.
- Sensor error reaction shown in display and / or via relay output.
- Polarity-protected supply.
- Password protection of the configuration.
- Protection degree of IP65 from front when the included rubber seal is mounted between the display front and the panel cutout hole.
- A splash proof cover for extra protection can be delivered as an accessory (PR type 8335).

Splash-proof cover for extreme environments.





**Side labels:** A detailed installation guide is placed on the module so that the user has all information at hand.

**Fastening:** The unique PR-designed fastening system ensures optimal tightness between display and board.

**Multilingual:** The scrolling help text in the display is available in 8 languages.

**PReset:** 5715 can be programmed by way of a PC and our PReset software, thus offering additional features such as linearization and offset. PReset allows you to configure any number of displays quickly and easily.



## Specifications

5714A 5714B 5714C 5714D 5715B 5715D 5725A 5725D

Universal pulse/frequency input, 0...50 kHz							✓	✓
mA input: 0/4...20 mA	✓	✓	✓	✓	✓	✓		
V input: 0/0.2...1 V / 0...10 V / 2...10 V	✓	✓	✓	✓	✓	✓		
RTD: 2-, 3- and 4-wire	✓	✓	✓	✓	✓	✓		
TC type: B...W5	✓	✓	✓	✓	✓	✓		
Potentiometer: 10 Ω...100 kΩ	✓	✓	✓	✓	✓	✓		
2 x relay: 250 VRMS / 2 A		✓		✓				✓
4 x relay: 250 VRMS / 2 A					✓	✓		
mA output: 20 mA / 800 Ω / 16 VDC			✓	✓		✓	✓	✓

■ Input

■ Output

**Benefit today from  
PERFORMANCE MADE SMARTER**

PR electronics is the leading technology company that specializes in making industrial process control safer, more reliable and more efficient. Since 1974 we have been dedicated to perfecting our core competence of innovating high-precision technology with low power consumption. This dedication continues to set new standards for products that communicate, monitor and connect our customers' process measurement points to their process control systems.

Our innovative, patented technologies are derived from our extensive R&D facilities and our thorough understanding of our customers' needs and processes. We are guided by principles of simplicity, focus, courage and excellence, enabling some of the world's greatest companies to achieve PERFORMANCE MADE SMARTER.