PERFORMANCE MADE SMARTER



Display / programming front

4510

– Programming display for all past and present 4000 / 9000 series devices, 3000 series devices where applicable, and all versions of ConfigMate 4590
– Monitor process value and status from the built-in display
– Scrolling help text in 7 languages

Applications
- Communications interface for programming and modification of operational parameters.
- The easily readable 4510 display can be used to monitor the process signal, simulate the output signal, indicate sensor errors and internal device errors.
- The 4510 can be moved from one device to another. The individual system 3000 / 4000 / 9000 device configuration of a transmitter can be saved and downloaded to subsequent transmitters.

Technical characteristics
- Easy-to-read dot matrix LCD display.
- Backup memory for loading and saving of device configuration.
- Programming access can be blocked by assigning a password. The password is saved in the device in order to ensure a high degree of protection against unauthorized modifications to the configuration.

Mounting / installation / programming
- Mounting in Zone 2 / Div 2.
- All configuration data from a PR 3000 / 4000 / 9000 device can be transferred to a PC using the PR 4590.
- When mounted on devices that are installed upside down, a menu item allows the display on the 4510 to be rotated 180° and the up/down buttons to switch function.
- The PR 4510 is approved and certified as an add-on component for the PR 3000, 4000 and 9000 series of devices. All technical characteristics are valid with the PR 4510 attached.

This page is automatically generated on the basis of information provided on www.prelectronics.com and affiliated websites. It is provided to you as a service and for information purpose only. While we have attempted to maintain the information as accurately as possible, the page may contain errors or omissions for which we disclaim any and all liability

Order

Type	Description
4510	Display / programming front
4590	ConfigMate interface

Environmental Conditions

Operating temperature..... -20°C to +60°C
Storage temperature..... -20°C to +85°C
Relative humidity..... < 95% RH (non-cond.)
Protection degree..... IP20
Installation in..... Pollution degree 2 & meas. / overvoltage cat. II

Mechanical specifications

Dimensions (HxWxD)..... 73.2 x 23.3 x 26.5 mm
Dimensions (HxWxD) w/ 4000/9000 unit..... 109 x 23.5 x 131 mm
Weight approx..... 20 g

Common specifications

Supply

Supply voltage..... 6.5...20 V supplied from host 4000 / 9000 device
Max. required power..... 0.15 W

I.S. / Ex marking

ATEX..... II 3 G Ex ec IIC T5
IECEx..... Ex ec IIC T5 Gc
FM, US..... Cl I, Div 2, Gp A, B, C, D T5; Cl I, Zn 2, Grp IIC T5
FM, CA..... Cl I, Div 2, Gp A, B, C, D T5
FM, US..... Cl I, Div 2, Gp A, B, C, D T5; Cl I, Zn 2, AEx ec IIC T5 Gc
FM, CA..... Cl I, Div 2, Gp A, B, C, D T5; Ex ec IIC T5 Gc

Observed authority requirements

EMC..... 2014/30/EU & UK SI 2016/1091
ATEX..... 2014/34/EU & UK SI 2016/1107
RoHS..... 2011/65/EU & UK SI 2012/3032

Approvals

ATEX..... DEKRA 13ATEX0098 X
IECEx..... DEK 13.0026 X
UKEX..... DEKRA 21UKEX0167X
c FM us..... FM22US0014X / FM22CA0009X
c UL us, UL 61010-1..... E314307
DNV Marine..... TAA00000JD