PERFORMANCE MADE SMARTER



Display / programming front

4510

– Programming display for system 4000 and 9000 devices as well as selected system 3000 devices, 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.

Note
- If you need an installation instruction in hard copy, you can order it for free when placing your order.

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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
CCC	2025322310006444
c UL us, UL 61010-1	E314307
DNV Marine	TAA00000JD