



Bluetooth communication enabler

4512

- Bluetooth communication between the PR 4000 and 9000 devices. and iOS/Android devices
- Live monitoring of process values and diagnostics on compatible smart devices or directly on the PR 4512
- Advanced data logging and event logging using the built-in real-time

























Applications

- · Program devices via Bluetooth using an iOS/Android device running the free PPS app (PR Process Supervisor).
- · Use PPS data for preventive maintenance.
- · All logged data can be exported in .csv format, for advanced data analysis off-site.
- On-site analysis of real-time process data on an iOS/Android compatible device.
- · Off-site analysis of historic process data on a PC using PReset.

Technical characteristics

- PR 4512 runs Bluetooth 4.2, and requires a smart device with 4.0 or newer.
- · PPS is compatible with iOS and Android devices.
- The PR 4512 automatically detects the device setting on the connected PR 4000 and 9000 device.
- · An internal battery energizes the 4512 real-time clock for at least 2 years, should the 4512 remain de-energized.
- Typical data logging capacity is more than 30 days at 1 second intervals.
- · Easy to read dot matrix LCD display.
- · Fast pairing or safe pairing via two-factor authentication.

Mounting / installation / programming

- · Mounting in Zone 2 / Div. 2.
- · The 4512 can be moved from one device to another. The individual system 4000/9000 device configuration of a transmitter can be saved and downloaded to subsequent transmitters.
- Programmed parameters can be protected by a user-defined password.
- · When mounted on devices that are installed upside down, a menu selection rotates the 4512 display 180 degrees and reverses the up/down button functions.
- All data, including configuration, data log and event log from a PR 4000 / 9000 device can be transferred to a PC using the PR 4590.
- · Please find an updated list of countries who have approved the use of 4512 at: www.prelectronics.com/4512-bluetooth-approvals/

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.





Order

Туре	Description
	Bluetooth communication enabler 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 when installed
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	30 a

unit	
Common specifications	
Supply	
Supply voltage	6.520 V supplied from host 4000 / 9000 device
Max. required power	≤ 0.15 W
Data logging	
Memory	
Capacity	> 2.75 million data points (depending on the connected PR device)
Data retention, without power	~ 10 years
Extended EMC immunity: NAMUR NE21, A criterion, burst	No loss of communication
real-time clock)	2 years (@ 25°C)
Calibrated clock accuracy	
Bluetooth communication	BLE 4.2

Observed authority requirements

Directives	
EMC	2014/30/EU
ATEX	2014/34/EU
RED	2014/53/EU
RoHS	2011/65/EU

Bluetooth Europe, CE. USA, FCC	ID QoQBGM111 5123A-BGM111 R 209-J00192 MSIP-CRM-BG, BGM111 2018DJ6574
Australia, RCM	

Standards

UL, Standard for Safety..... UL 61010-1

Approvals

ATEX	DEKRA 13ATEX0098 X
IECEx	DEK 13.0026 X
c FM us	FM18US0268X /
	FM18CA0129X

I.S. / Ex marking

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

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