



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/

Order

Туре	Description
	Bluetooth communication enabler ConfigMate Interface

Environmental Conditions

Operating temperature	20°C to +85°C . < 95% RH (non-cond.) . IP20 when installed
Mechanical specifications Dimensions (HxWxD) Dimensions (HxWxD) w/ 4000/9000 unit Weight approx	109 x 23.5 x 131 mm
Common specifications Supply Supply	6.5. 20.1/ aumplied from heat
Supply voltage	
Data logging Memory	> 2.75 million data points (depending on the connected PR device)
Data retention, without power Extended EMC immunity: NAMUR	•
NE21, A criterion, burst	. 2 years (@ 25°C) . <±60 s/year @ 25°C . BLE 4.2

Observed authority requirements

Directives	
EMC	2014/30/EU
ATEX	2014/34/EU
RED	2014/53/EU
RoHS	2011/65/EU
Bluetooth	
	117 07000 1
Europe, CE	117-37823-1
USA, FCC	ID QoQBGM111
Canada, IC	5123A-BGM111
Japan, MIC	R 209-J00192
Korea, KC	MSIP-CRM-BG, BGM111
China, SRRC	2018DJ6574
Australia, RCM	42 004 182 772
Brazil, Anatel	06541-18-11723
Standards	
UL, Standard for Safety	UI 61010-1
	020.0.0
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Annrovale	

Approvals

ATEX	DEKRA 13ATEX0098 X
IECEx	DEK 13.0026 X
c FM us	FM18US0268X /
	EM18CA0120Y

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;
	CL I, Zn 2, Gp IIC T5
FM, CA	CL I, Div 2, Gp A, B, C, D T5