



#### 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 clock





























- · 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/

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

### 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		
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			
Weight approx	30 g		
Common specifications			
Supply			
Supply voltage	6.520 V supplied from host 4000 / 9000 device		
Max. required power	0.15 W		
Data logging			
Memory	100 MB		
Capacity			
	(depending on the connected PR device)		
Data retention, without power	~ 10 years		
Extended EMC immunity: NAMUR			
NE21, A criterion, burst	No loss of communication		
Internal battery back-up (for real-time clock)	2 years (@ 35°C)		
Calibrated clock accuracy			
Bluetooth communication			
Bluetooth radio			
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I.S. / Ex marking ATEX IECEXFM, USFM, CA	Ex ec IIC T5 Gc CI I, Div 2, Gp A, B, C, D T5; CI I, Zn 2, Grp IIC T5
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