



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





























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 +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	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	. (0.0500)
real-time clock)	
Calibrated clock accuracy	
Bluetooth communication	:=
Bluetooth radio	Class 2

I.S. / Ex marking		
ATEX		
IECEx		
FM, US	. CI I, Div 2, Gp A, B, C, D T5; CI I, Zn 2, Grp IIC T5	
FM, CA	. CI I, Div 2, Gp A, B, C, D T5	
Observed authority requirements		
Directives		
EMC	. 2014/30/EU & UK SI 2016/1091	
ATEX	. 2014/34/EU & UK SI 2016/1107	
RED	2014/53/EU & UK SI 2017/1206	
RoHS	2011/65/EU & UK SI 2012/3032	
Standards		
Standard for Safety	. ANSI/ISA 61010-1 : 2004	
Bluetooth		
Europe, CE	117-37823-1	
USA, FCC	. ID QoQBGM111	
Canada, IC	. 5123A-BGM111	
China, SRRC	2018DJ6574	
Australia, RCM	. 42 004 182 772	
Brazil, Anatel	. 06541-18-11723	
Japan, MIC	R 209-J00192	
Korea, KC	MSIP-CRM-BGT, BGM111	
Malaysia, SIRIM QAS	. RAHY/63M/1020/S(20-4544)	
Singapore, IMDA	N1861-20	
EAC	TR-CU 020/2011	
Approvals		
ATEX	. DEKRA 13ATEX0098 X	
IECEx	. DEK 13.0026 X	
UKEX	. DEKRA 21UKEX0167X	
c FM us		
	FM18CA0129X	