


BO SMART

BOLLARDS AND HEIGHT RESTRICTORS

Revision: 17 July 2024 2:00 PM
Boplan reference: BO2000-1200 -SM....



PRODUCT SPECIFICATIONS

APPLICATION			
Description	Protect and monitor your most vulnerable infrastructure. Get notified after each serious collision.		
Usage	Indoor use only		
	10°C up to 40°C		
	Impact resistance: 3000 Joule		
Mechanism	The Smart Bollard communicates wireless to the Hub. At the event of a serious collision, an alarm signal is send to the Hub. Other less severe impacts are stored in the system to build a collision history.		
Range sensors	50 meter up to 150 meter (depending on the constructive elements in between)		
SMART BOLLARD			
Features	Multiple smart bollards can be added to one system (up to 50)		
	Impact sensing: 3 levels (normal / severe / critical)		
	BO smart works on batteries (8xAA - included)		
	Battery autonomy: 5 month up to one year		
	4 x fixations for concrete floor included (Zinc coated)		
	Standard colour: Yellow RAL 1003		
HUB			
Features	Read out impact history / battery status / signal strength		
	Flashing light after each impact. (green / orange / red)		
	Full colour - touch display		
	1 x ethernet connection		
	Size 175 mm x 210 mm x 60 mm		
	220V powered		
	The Hub communicates wireless with the smart bollards and with the devices connected.		
FIXATIONS			
		ZC (Zinc coated)	SS (Stainless steel)
STANDARD	Wedge anchor Countersunk		Ø20mm - M12 x 120mm
			not available



see next page for features

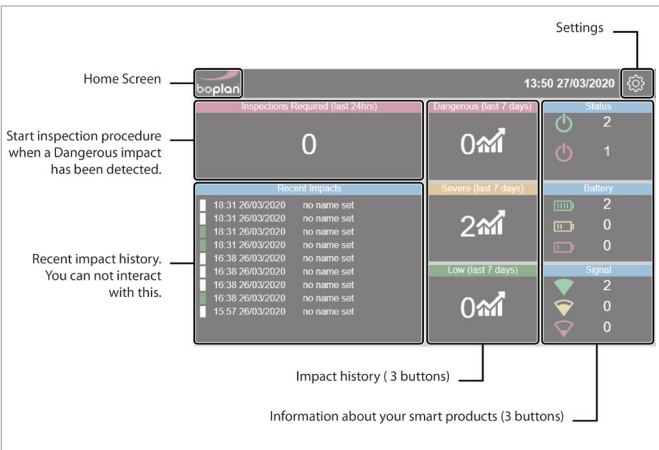
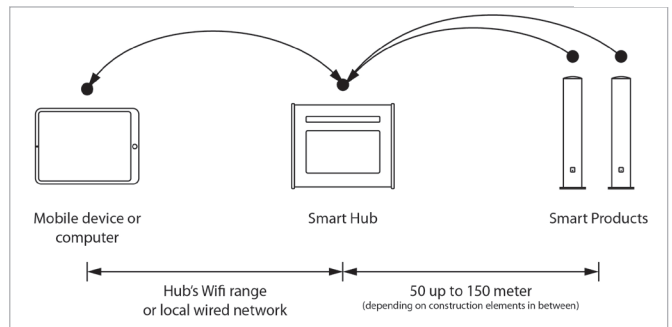
FEATURES AND FUNCTIONALITY - BO SMART

IMPACT RESISTANCE



Tested	Impact Absorption and Resistance Positively tested with a 2.3ton forklift at a speed of 6km/h driving straight onto the bollard at a 90° angle. This is equivalent to an impact of with a force of 3200 Joule
Certification	Transpolis, Accredited Laboratory ISO 17025
Features	User interface available via app on webbrowser or Ipad
	Real time monitoring of collisions
	Records the impact history for each device
	Read out signal strength and battery status
	Data security: 128 bit encryption

INSTALLATION REQUIREMENTS

Concrete quality	minimum C25/30
Concrete floor plate thickness (mm)	minimum 150 mm
Concrete slab dimension around posts (mm)	400 (h) x 400 (w) x 300 (d)



REFERENCE LIST - BO SMART

BO2000-1200-SMBOYEZ	Smart Bollard	
BO2000-1200-SMUKHUB	Smart Hub with UK plug	
BO2000-1200-SMEUHUB	Smart Hub with EU plug	