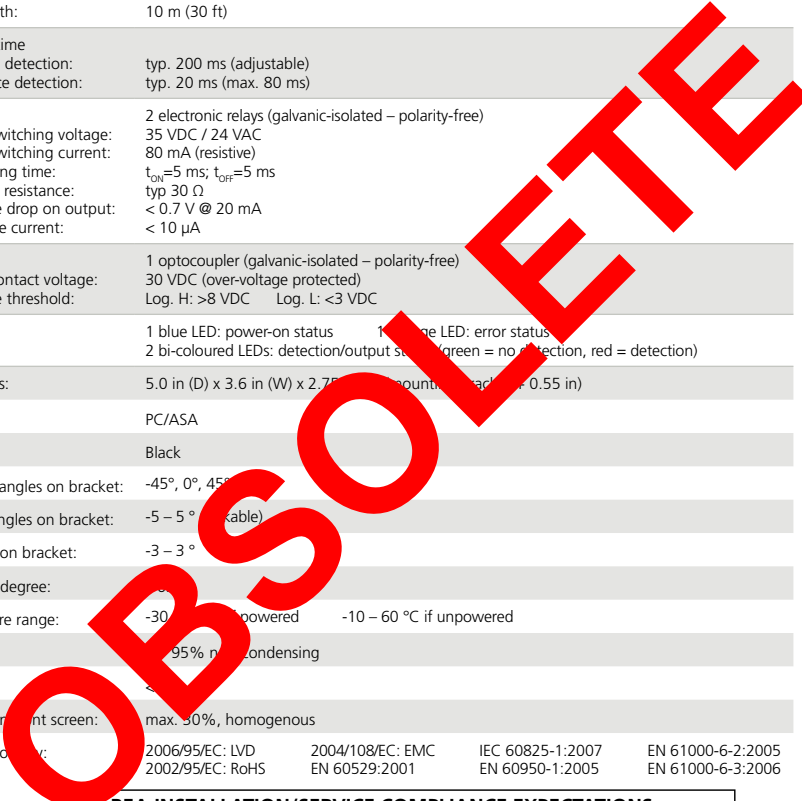


TECHNICAL SPECIFICATIONS

Technology:	laser scanner, time-of-flight measurement		
Detection mode:	motion and presence		
Max. detection range:	5.0 m x 6.5 m (16 ft 6 in x 21 ft)		
Remission factor:	> 2%		
Angular resolution:	0,3516°		
Emission characteristics			
IR laser:	wavelength 905 nm; max. output pulse power 75 W (CLASS 1)		
Red visible laser:	wavelength 650 nm; max. output CW power 3 mW (CLASS 3R)		
Supply voltage:	10 – 35 VDC @ sensor side		
Power consumption:	< 5 W		
Peak current @ power-on:	1.8 A (max. 80 ms @ 35 V)		
Cable length:	10 m (30 ft)		
Response time			
Motion detection:	typ. 200 ms (adjustable)		
Presence detection:	typ. 20 ms (max. 80 ms)		
Output:	2 electronic relays (galvanic-isolated – polarity-free)		
Max. switching voltage:	35 VDC / 24 VAC		
Max. switching current:	80 mA (resistive)		
Switching time:	t _{ON} =5 ms; t _{OFF} =5 ms		
Output resistance:	typ 30 Ω		
Voltage drop on output:	< 0.7 V @ 20 mA		
Leakage current:	< 10 µA		
Input:	1 optocoupler (galvanic-isolated – polarity-free)		
Max. contact voltage:	30 VDC (over-voltage protected)		
Voltage threshold:	Log. H: >8 VDC Log. L: <3 VDC		
LED signal:	1 blue LED: power-on status 1 orange LED: error status 2 bi-coloured LEDs: detection/output status (green = no detection, red = detection)		
Dimensions:	5.0 in (D) x 3.6 in (W) x 2.7 in (H) (mounting bracket: 0.55 in)		
Material:	PC/ASA		
Color:	Black		
Mounting angles on bracket:	-45°, 0°, 45°		
Rotation angles on bracket:	-5 – 5° (cable)		
Tilt angles on bracket:	-3 – 3°		
Protection degree:	IP65		
Temperature range:	-30 – 60 °C if powered -10 – 60 °C if unpowered		
Humidity:	95% non-condensing		
Vibrations:	2-800 Hz		
Pollution on front screen:	max. 30%, homogenous		
Norm conformity:	2006/95/EC: LVD 2002/95/EC: RoHS	2004/108/EC: EMC EN 60529:2001	IEC 60825-1:2007 EN 60950-1:2005
			EN 61000-6-2:2005 EN 61000-6-3:2006



Specifications are subject to change without prior notice. All values measured in specific conditions.

BEA INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, the sensor manufacturer, cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor/device; therefore, BEA does not guarantee any use of the sensor outside of its intended purpose.

BEA strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor system installation is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSUDASMA 102, ANSVDASMA 107, UL 325).

Verify that all appropriate industry signage and warning labels are in place.



BEA hereby declares that the LZR®-I100/I110 is in conformity with the basic requirements and the other relevant provisions of the directives 2006/95/EC, 2002/95/EC, 2004/108/EC and 2006/42/EC.

Notified Body for EC inspection: 0044 - TÜV NORD CERT GmbH, Langemarkstr. 20, 45141 D-Essen

EC-type examination certificate number: 44 205 11 392410-002

Angleur, May 2011 Jean-Pierre Valkenberg, Authorized representative and responsible for technical documentation

The complete declaration of conformity is available on our website: www.bea-industrial.be

For EC countries: according to the directive 2012/19/EU for Waste Electrical and Electronic Equipment (WEEE)

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