

## Ins-30136 OEM marine reader

### Suitability

Security-sensitive doors



Wet environments



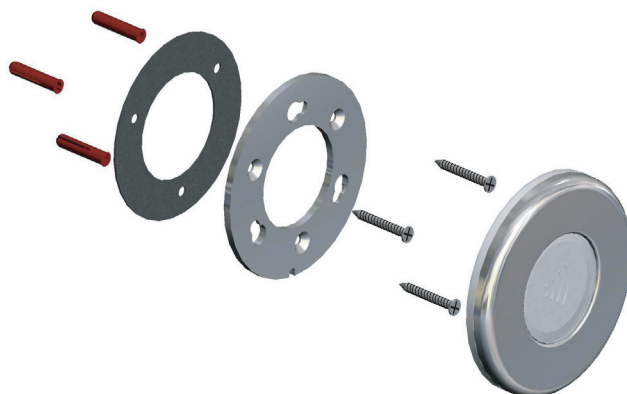
Mounted on metal surface



Readers mounted together

**300mm**  
between readers

### Fitting



Fix the backplate to the wall with the stainless steel screws provided in the fitting kit. The small slot in the plate edge should be positioned at the bottom.

Where the unit is to be fitted to a smooth surface, bulkhead, etc. a gasket is supplied to provide a weatherproof seal between the backplate and the mounting surface. (The unit has its own integral seal)

Locate the unit in the keyhole slots provided in the backplate. Make sure that the locking pin is close to the slot in the edge of the backplate. Rotate the unit clockwise until the locking pin engages in the slot.

### Removing the reader



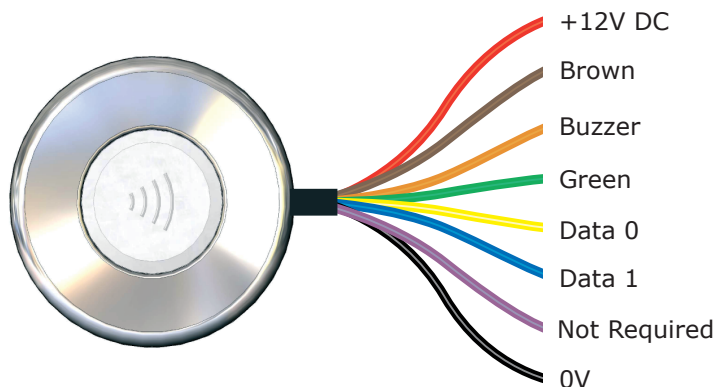
To remove the unit, insert a small screwdriver into the cut out provided and use it to lift the locking pin. The unit can then be rotated anticlockwise to release it from the backplate.

### Output format

This unit will read the data from an EM4100 token or the serial number of a Hitag2 token.

It will output a 26 bit Wiegand number.

## Wire outputs



LED condition table		
Brown	Green	LED
		Blue
	0v	Green
0v		Red
0v	0v	OFF

The active display on the marine reader is used to produce a blue backlight as well as green and red indications. This is controlled by the brown, orange and green wires. Pulling these wires to '0V' individually or in combination will produce the LED effect as per the condition table.

The orange wire directly controls the buzzer. When pulled to 0V the buzzer will sound.

## Cable extensions

Readers can be extended using Belden CR9540 10-core overall screened cable to a maximum of 100 metres.

## Backlight dimming card

The backlight on the unit may be dimmed down or turned off if required. A dimming card is provided with this unit.

Present this card within 2 minutes of powering up the reader and the backlight (blue) will reduce in brightness. Repeated presentations will reduce the brightness in stages down to no illumination. Showing the card again will return the backlight to full power.

Specifications			
Environment	Min	Max	
Operating temperature	-25 °C	+55 °C	
Waterproof		IPX7	Outdoor Use
Cable length			5 metres
Electrical	Min	Max	
Voltage	8V DC	14V DC	
Current		220 mA	
Carrier frequency			125 kHz
Wiegand format			26 bits
Read Range	Token	Keyfob	Hands Free Token
	40 mm	30 mm	400 mm
Dimensions	Diameter	Depth	
	106 mm	16 mm	

Contents in box		
PROXIMITY marine reader		
Reader backplate		
Backplate gasket		
Backlight dimming card		
Reader junction box		
Instruction set		
Kit fk1-079	3	No 8 x 1.5 in pozi pan self tapping screw - zinc
	3	Wall plugs