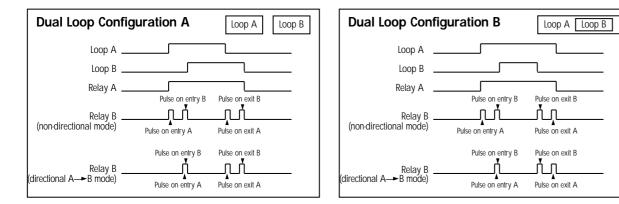
Frequency adjustment for loop A for single loop detector				
Dip Switch #1	Dip Switch #2	Loop frequency		
OFF	OFF	High		
ON	OFF	Mid High [High –20%]		
OFF	ON	Mid Low [High – 25%]		
ON	ON	Low [High – 30%]		



• 1 Green LED shows when the module is powered

2 Red LEDs give

LED

SIGNAL

- the corresponding loop detection state in normal situation
- the value of the oscillation frequency measurement or an error message on power ON

In normal situation the red LED stays ON as long as the loop detects any metallic object.

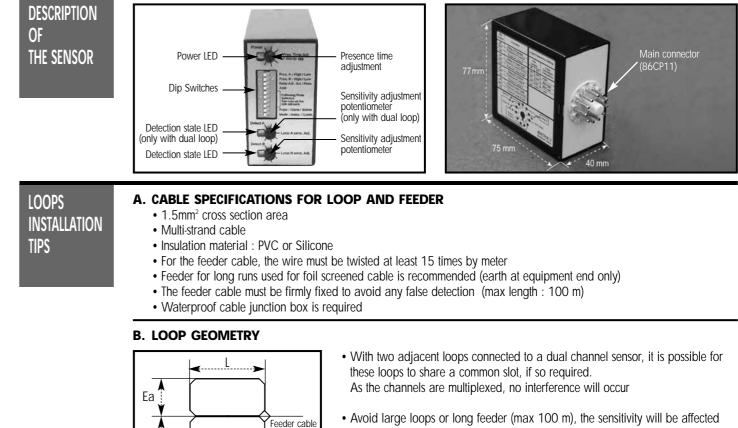
On power ON the sensor measures the oscillation frequency of each loop. The result of this measurement is displayed using the corresponding red LED. The amount of blinking indicates the tens value of the frequency. For example 4 short flashes correspond to a frequency between 40 kHz and 49 kHz. After this message the LED goes back to normal display. If the loop oscillation frequency falls outside the limits set between 20 kHz and 130 kHz the red LED displays an error message and the sensor activates the corresponding relay. The blinking frequency shows the type of error according to the next table. The sensor will stay in this state until the problem is cleared and the frequency goes to the right range.

Remark : The sensor launches automatically a learning process if the oscillation frequency changes more than 10% in comparison with the measurement value.

Loop frequency error	LED display
Oscillation frequency too LOW or loop o	ben LED blinking at 1Hz
Oscillation frequency too HIGH	LED blinking faster at 2 Hz
Loop shorted or no oscillation	LED blinking slower at 0.5 Hz

TROUBLE- SHOOTINGS	SYMPTOM	PROBABLE CAUSE	CORRECT ACTION
	The loop detector will not work The green LED is off	There is no power supply to the loop detector	Check power supply
	The loop detector will not work The red LED is flashing slowly (0.5 Hz)	The corresponding loop is shorted	Check the loop cable
	The loop detector will not work The red LED blinks at either 1Hz or 2Hz	The frequency of oscillation falls outside the allowed range	Adjust frequency with dip switches or change loop turns
	The loop LED is detecting properly but the contact is not made	Bad connection of the relay contacts	Check relay connections
	Dip switches 5 to 8 are not responding properly	Their function varies according to dip switch #10 setting	Check the appropriate loop mode required and adjust dip switch #10

	DIGITA	LINDUC
APPLICATIONS	doors, vehicle access co The MATRIX range is a connection is made with	uctive Loop Detector range is ontrol and industrial control sy high performance single or an industrial standard 11-pi v are available, single or dua : Single loop detector with 2 : Single loop detector with 1 : Dual loop detector with 1
TECHNICAL SPECIFICATIONS	Technology Tuning Detection mode Presence time Pulse time output Inductance range Frequency range Frequency steps Sensitivity (ΔL/L) Reaction time Power supply (dependent Mains Frequency Power Consumption Storage temperature range	12·24 AC/DC ±10% 230 V AC ±10% 90> 125 V AC ±0% 48 to 62 Hz < 2.5 W

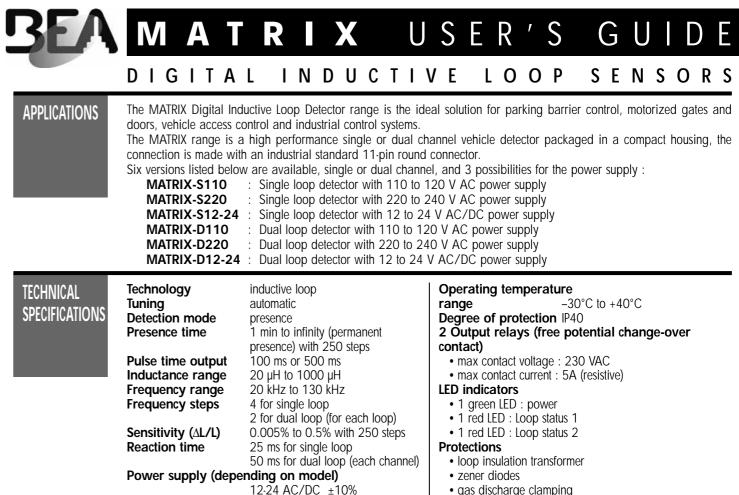


Eb

70-V1 01/08

(j) The declaration of conformity and other technical documentation are available on our website or can be requested by phone or mail.

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standard 11-pin round Connection connector 86CP11 77mm (H) x 40mm (W) x 75mm (D) Dimensions Weight < 200gr Product compliance R&TTE 1999/5/EC EMC 2004/108/EC UL listed equipment for UL 508