



8.2 Mhz Label Deactivator LDB100

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1. Product Overview

1.1 Core product

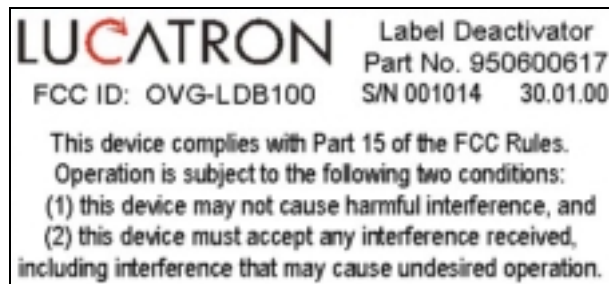
Part number	Description
LDB-100	Label Deactivator

1.2 Accessories

Part number	Description
ACC-100	Universal Power Supply, Euro Connector, CE approved
ACC-101	Universal Power Supply, US Connector, UL Listed
ACC-201	Deactivation Pad, 35.5 cm x 30.5 cm (14" x 12")
ACC-401	Alarm Buzzer with cable, 60 cm (2 ft)

1.3 Remarks

FCC Label:



There are no user servicable parts inside!

Product Description

1.4 ONLY Deactivator (P/N LDB-100)

1.4.1 Description

The LDB-100 is a stand-alone one-channel deactivator for 8.2 MHz EAS labels. It generates an electromagnetic RF field, which is radiated over an external antenna loop. This RF field destroys the resonance capacitor of a paper label in the RF field. The process is repeated about 150 times a seconds and at the same times a receiver in the deactivator checks whether deactivation was successful. In the case that the LDB-100 failed to deactivate the label, e.g. because a nondeactivatable hard tag is in the field, an alarm (optical or acoustic) will be emitted. This receiving function also works, when there are other synchronized or non-synchronized deactivators nearby.

1.4.2 Specifications

Power Supply	12 V DC / 200 mA
Mechanical dimensions	24 mm x 55 mm x 155 mm (0.95" x 2.15" x 6.10")
Weight	200 g (7 oz.)
Input Power Connector	5.0 mm x 1.95 mm x 14 mm (DIN 45323)
Frequency Range	7.4 – 9 MHz
Output Antenna	ACC-201 pad antenna
I/O Connector	RJ45 (for external alarm)
Synchronization	None
RF Transceiver	1 channel
Data Interface	None
Interlock	No
Register Control	No
Deactivation Check	According to VDI 4471

[X2]
To Buzzer→
ACC-401

To Power →
Supply [X1]



[X3]
← To Antenna
ACC-201

Fig. 1: LDB-100 deactivator control unit

1.4.3 Installation

The deactivator is mounted with stripes of detachable fasteners close to the deactivation loop, typically underneath the sales desk. The antenna pad ACC-201 is connected to the connector X3 (green) and the buzzer with cable ACC-401 to X2 (RJ11). Finally the power supply ACC-101 is plugged into the power outlet and the secondary cable with the round connector into X1.. and the deactivator is ready to go.

There are no adjustments required!



1.4.4 Operation

Place the bigger sized goods with the security label directly over the antenna pad or just whipe with the smaller ones over the antenna. All labels in a distance up to 30 cm (12 inch) will be deactivated without further notice. The deactivation process requires less than one second.



Only if there is a stubborn label that can not be deactivated or a reusable hard tag in the detection area, an acoustic alarm will be given out. In the case of stubborn label, turn the goods in a different position and try the process again.