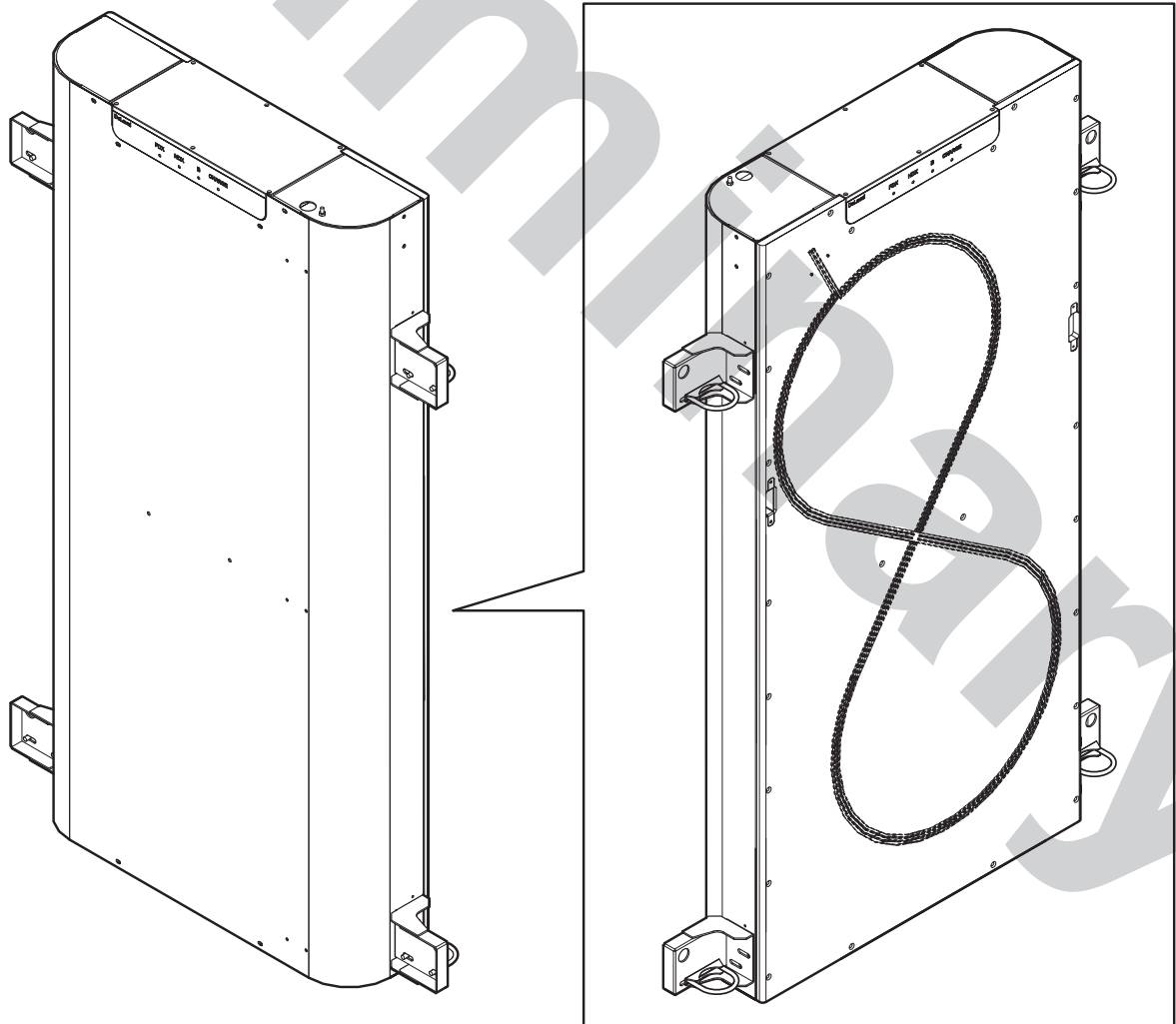


DeLaval ID reader walk by IRW

Instruction Book



Preliminary

DeLaval ID reader walk by IRW

Table of contents

EC Declaration of Conformity - DeLaval ID reader walk by IRW	5
Safety precautions	7
■ DeLaval ID reader walk by IRW	
1 Foreword	7
2 Disclaimer	7
3 Safety regulations	7
4 FCC statement	8
5 IC Compliance statement	8
6 Safety labels on the equipment	9
7 Type plate	9
8 Warranty	10
General description	11
■ DeLaval ID reader walk by IRW	
1 Introduction	11
Operator's maintenance	13
■ DeLaval ID reader walk by IRW	
1 Service tasks	13
Troubleshooting	14
■ DeLaval ID reader walk by IRW	
1 General	14
Disposal	15
■ DeLaval ID reader walk by IRW	
1 Disposal and recycling information	15
1.1 Disposal of packaging material	15
1.2 Disposal of electrical and electronic equipment with or without battery	15

Preliminary

EC Declaration of Conformity

Name of product: **DeLaval ID reader walk by IRW**
Type: 94066381
Report No. 80009947

The product complies with requirements of the following directives:

Low voltage directive - 2006/95/EC
Electro magnetic compatibility directive - 2004/108/EC

Harmonised standards which have been used:

ETSI EN 330-1
ETSI EN 330-2
ETSI EN 301 489-3
EN 55022
EN 61000-6-2
EN 301 489-01
EN 60215
FCC part 15

Other technical standards and specifications used:

Nemko Comlab AS test report 240836-2
Nemko Comlab AS test report 240836-3
Nemko Comlab AS test report 61108/3
DeLaval 80001836

Tumba 2013-10-10

Signed:



Name: Jan Ove Nilsson
Position: Vice President
Department: BA Capital Goods

Contact: Wiveca Sveen
P.O. Box 39
SE 147 21 TUMBA
Sweden

Name and address of manufacturer:

DeLaval International AB
P.O. Box 39
SE 147 21 TUMBA
Sweden

Safety precautions

DeLaval ID reader walk by IRW

1 Foreword

It is your responsibility to see that any person involved with the use or operation of this equipment follows all safety and operational instructions. Under no circumstances should you allow this equipment to be used if the equipment is faulty or the operator does not completely understand the operation of the equipment.

2 Disclaimer

The information, instructions and parts listed are applicable and current on the date when issued. DeLaval reserves the right to make changes without notice.

3 Safety regulations



Warning!

The equipment is heavy and could cause serious crushing injury if dropped.



Mandatory!

Disconnect the electrical supply before removing shields, covers or guards

4 FCC statement

Note! Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

5 IC Compliance statement

This device complies with Industry Canada licence-exempt RSS standards. Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.




DeLaval ID reader walk by IRW

Safety precautions

6 Safety labels on the equipment

A safety label must be replaced if it falls off. All labels must be kept clean and readable.

Safety label placement

	Label	Explanation
	Placed on the lid of the electronic box.	Do not touch the circuit board inside the electronic box - as some components are charged and could give you an electric shock (see Fig. 1).
	Placed on both short sides above the upper mounting brackets.	The equipment is heavy and could cause serious crushing injury if dropped.
	Placed on both short sides close to the photocell area.	Never clean the equipment with a high pressure cleaner.

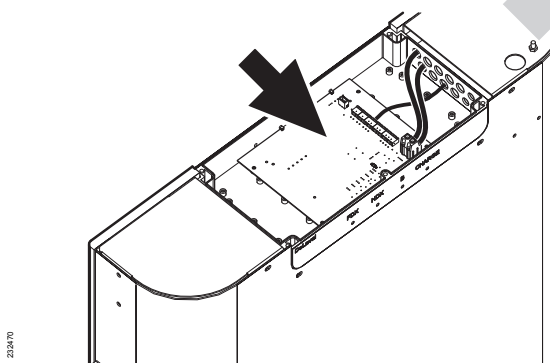


Fig. 1: Do not touch indicated electronic box.

7 Type plate

A label with units product number, serial number and certification is located on the side of the antenna.

8 Warranty

Note! DeLaval will not take any responsibility for damage resulting from faulty installation, operation or for improper or inadequate care and maintenance.

Note! DeLaval will not take any responsibility for any damage resulting from frost. The owner/user must take the necessary measurements to prevent the ambient temperature around the equipment from dropping to or below freezing point.

DeLaval ID reader walk by IRW

General description

General description

DeLaval ID reader walk by IRW

1 Introduction

The IRW is used to identify cows with B-transponders or ISO transponders.

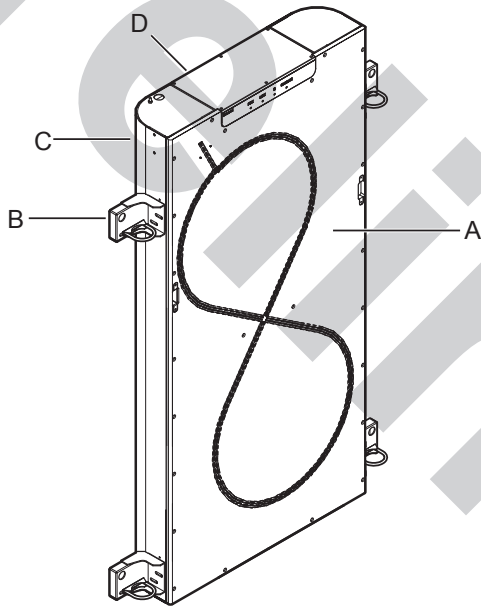
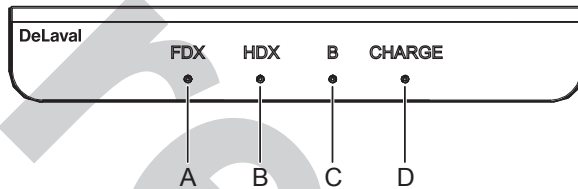


Fig. 2: IRW.

- A: Antenna panel
- B: Support brackets with lifting eyes
- C: Galvanized steel stand
- D: Electronic box

DeLaval ID reader walk by IRW

General description



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Fig. 3: LEDs of the IRW electronic box.

- A ("FDX"): Light when an FDX transponder is read
- B ("HDX"): Light when a HDX transponder is read
- C ("B"): Light when a B transponder is read
- D ("Charge"): Flashing when transmitting activation field

DeLaval ID reader walk by IRW

Operator's maintenance

Operator's maintenance

DeLaval ID reader walk by IRW

1 Service tasks

No	Operator's maintenance task	Frequency	Max. interval	Replacement parts or kits
1	Cleaning the antenna panel	-	Daily	
2	Checking the photocell	-	Daily	
3	Checking screws and bolts	-	Yearly	

Frequency	-
Max. interval	Daily
Estimated time:	-
Service type:	Clean

No 1 Cleaning the antenna panel



Caution!

Risk of damage, injury or electric shock!

Never clean the equipment with a high pressure cleaner or any other jet of water. The equipment is sensitive and can be destroyed by the high pressure.

Each day do the following:

- Clean the antenna panel, use water only.

Frequency	-
Max. interval	Daily
Estimated time:	-
Service type:	Verify

No 2 Checking the photocell

Each day do the following:

- Verify that the photocell is clean.

Frequency	-
Max. interval	Yearly
Estimated time:	-
Service type:	Verify

No 3 Checking screws and bolts

Once a year do the following:

- Verify that all screws and bolts are tightened up.

DeLaval ID reader walk by IRW

Troubleshooting

Troubleshooting

DeLaval ID reader walk by IRW

1 General

No.	Symptom	Cause	Action
1	Wrong ID or missed ID. Low hit rate.	More than one cow in front of the antenna.	Check that no steelwork is missing or deformed. If the problem remains, contact the DeLaval service technician.
		Transponder not functioning.	Exchange broken or weak transponder.
		Ear transponder at the wrong side.	Move the transponder to the correct side.
		Dirty or broken photocell.	Clean the photocell. If the problem remains, contact the DeLaval service technician.
		Other causes with same symptom.	Contact the DeLaval service technician.
2	Missed ID when cows are entering.	Interference or disturbance problems.	Contact the DeLaval service technician.
3	LED indicator on IRW indicates reading transponders, but cow ID does not appear on any MPC when cows are entering the parlour.	Communication problem.	Contact the DeLaval service technician.
4	Cow ID is erased from the MPC before the parlour is full.	Communication problem.	Contact the DeLaval service technician.

Disposal

DeLaval ID reader walk by IRW

1 Disposal and recycling information

When the product reaches end of life, dispose it properly in accordance with local laws and regulations.

1.1 Disposal of packaging material

(Packaging EU Directive 94/62/EC)



This symbol indicates that the product's packaging material can be recycled.

1.2 Disposal of electrical and electronic equipment with or without battery

(WEEE European Directive 2012/19/EU)

(European Battery Directive 2006/66/EC)



These symbols with a crossed-out wheeled bin on the product or its packaging indicates that the equipment is electrical waste, with or without battery, and shall not be disposed of with household waste.



A horizontal bar beneath the bin means that the product is manufactured after August 13, 2005.

To prevent inappropriate waste handling of this product, and its negative consequences on the environment and human health, all products shall be disposed of in accordance with local laws and regulations. Hand it over to an official recycling facility, or use a battery disposal facility when available.

Please contact the local municipal office for information on the nearest recycling station.

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