

## IRX Reader Unit



- Infrared reader unit for the Intelligent Depot System
- Robust and flexible design for use in various applications
- Digital output available, remotely or internally activated

The IRX Reader Unit is an advanced infrared detector designed to receive encoded infrared signals from vehicles equipped with Identic ID 850 system. When the reader is used with the control unit CE 60 the received information can be used for the following applications;

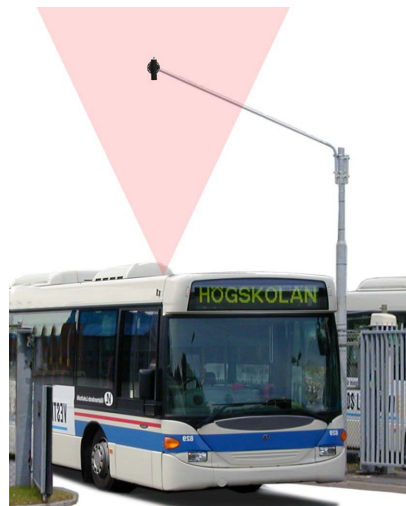
- Identification
- Authorisation checks
- Data collection
- Gate control
- Parking system
- Traffic control system

The IRX comes in different versions depending on the field of operation:

The **IRX Gate** version is designed to be used for different types of passage control, identification and authorisation in service and refuelling areas, etc.

The **IRX Park** version is intended to be used for detecting and identifying parked vehicles, for example in different types of depot systems.

The **IRX D/O** version has all the features of both the Gate and Park versions but also features a digital output. It can be used stand-alone without connection to a data processing system, for example for opening a door/gate.



*The vehicle mounted ID 850 equipment sends out infrared encoded light signals containing vehicle related information such as vehicle identity, company code, km, etc.*



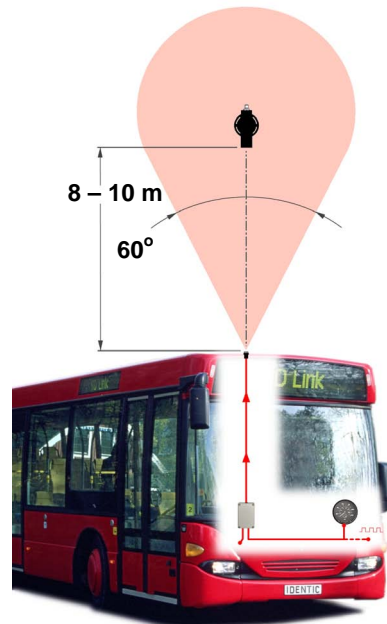
## Technical data

### General:

- Power supply: 24 VDC, 18 mA
- Protocol: Identic IDS (RS485)
- Connector: Standard coded M12x1 male sensor connector
- Degree of protection: IP67
- Operating temperature: -25°C to +50°C

### Digital output (D/O version):

- Type: Opto-insulated NPN
- Output duration: ~1 s
- Max voltage: 35 VDC (12-28 VDC)
- Max current: 80 mA



The signal from the ID 850 can be detected by the IRX Reader Unit at a range of approx. 8–10 m. The angle of the IR light is approx. 60°.



The IRX Reader Unit can be equipped with different **Mounting KITS** which enable easy positioning and attachment to lamp posts or other tube like objects or flat surfaces.

## IRX Equipment

Art. No.	Description
<b>204701</b>	IRX Reader Unit, gate version
<b>204702</b>	IRX Reader Unit, park version
<b>204703</b>	IRX Reader Unit, digital output (D/O) version
<b>204710</b>	Connector for IRX reader, 4-pin single cable
<b>204711</b>	Connector for IRX reader, 4-pin two cables
<b>204712</b>	Connector for IRX reader, 8-pin single cable
<b>204713</b>	Connector for IRX reader, 8-pin two cables
<b>204726</b>	IRX mounting KIT for 1" pipe
<b>204727</b>	IRX mounting KIT for 1.5" pipe
<b>204728</b>	IRX mounting KIT for flat surfaces

### IDENTIC AB

Box 143  
SE-186 23  
Vallentuna  
Sweden

Tel. +46 8 511 781 05  
Fax. +46 8 511 708 84

info@identic.se  
www.identic.se

Please contact IDENTIC for more information!