

IMPROX IR

ImproX IR Infrared Receiver

INTRODUCTION

The ImproX IR System forms part of the ImproX range of access control equipment. The IR Infrared system provides a stable interference free automatic gate access control. Identification range is typically 6 metres for a receiver detecting an approaching vehicle suitably equipped with the IR Infrared Transmitter. By code detection and validation gate opening for both entrance and exit is validated and controlled. Non-valid codes are denied access.

APPLICATIONS

- Remote reading of access code.
- Focused reception angle.
- Decoded signal to attached Terminal.
- Stable automatic operation.
- External adjustable mounting.
- Compatibility with ImproX DT or PT.



FEATURES

- Focusing can be adapted to locale for wide or narrow angle.
- Controlled monitored entry and exit with IPX system.
- Low power requirements.
- All weather protection.
- Hands free operation

SPECIFICATIONS

PHYSICAL SPECIFICATIONS	Dimensions	L = 160 mm (6.30") 210 mm (8.26") fully extended. W = 75 mm (2.95"). H = 130 mm (5.12") at 90° mounting.
	Mass	410g. (14.46 oz).
	Material	Aluminium.
	Colour	Black.
ENVIRONMENTAL SPECIFICATIONS	Temperature Operating	-15°C to +70°C (-5°F to +168°F).
	Temperature Storage	-40°C to +80°C (-40°F to +176°F).
	Humidity Range	0 to 95% relative humidity at +40°C (+104°F) non-condensing.



	Dust and Splash Resistance	This unit is manufactured in accordance with a dust and splash environment similar to that of IP66.
	Drop Endurance	2m drop (in packaging).
ELECTRICAL SPECIFICATIONS	Operating Wavelength	940 nm.
	Power Requirements	
	Voltage	4.5 V to 5.5 V DC.
	Current	5 mA maximum at 5.5 V DC.
	Data Interfaces	
	Electrical Interface	Open collector.
	Data format	Impro Technologies Tag ID format, Manchester encoded.
OPERATOR INTERFACES	Not applicable	

INTERNATIONAL STANDARDS

Not applicable.

APPROVALS

Under consideration.

ACCESSORIES

The Terminal is supplied with a 1 m connecting cable.

RELATED IMPRO PRODUCTS

The ImproX IR Infrared Receiver is designed to be used in conjunction with the ImproX DT Door Terminal XDT900-0-0-GB-XX or the ImproX PT Portal Terminal XPT900-1-0-GB-XX, the ImproX VT Infrared Transmitter, and the Impro 200 or 3/400 System Software.

ORDERING INFORMATION

The ImproX IR Infrared Receiver can be ordered under the ITR900-0-0-GB-XX.