



UniScan CONTROLLER

Product specification
CATALOGUE

The Impro UniScan Controller is a cost-effective, entry-level single-door access controller – and your gateway into the electronic access control market.

The UniScan is a DIY-friendly solution to the costly exercise of replacing locks and keys when keys are lost or stolen.

A simple to use manual addition and deletion process allows Tags to be modified as and when desired.

The cost and convenience benefits of this little system speak for themselves

Users can choose whether they have Keypad 4-digit PIN entry, Passive Tag reading or Radio Tag operation (or any combination), by drawing from a growing list of compatible **S-Bus Devices***:

- Impro (QR) Quad Receiver (For use with Impro (QT) Quad Transmitters)
- Impro (SKR) Scan Keypad Reader (This allows PIN code entry and is also able to read passive SLIM / EMM tags as well as the passive tags built into the Quad Transmitters.)
- Impro (XSR) S-Bus Relay Box (This is useful when a relay is needed some distance from the UniScan, allowing the UniScan to control a distant relay via S-Bus.)

*S-Bus Devices may be installed up to 150m away from the UniScan.





Key Features

- Cost Effective
- Simple Installation
- Easy to use
- Controls one access point
- 1 Relay
- Two 7-segment LED Displays
- 4 Externally accessible Programming Push-buttons
- Operates using a 12 V Power Supply
- Supports programmable Relay drive times of 1 to 99 seconds
- The Relay can be set to Toggle Mode
- Supports the Scan Keypad Reader and 433.92 MHz Quad Receiver

UniScan Controller

HCM990-0-0-GB-XX

Physical Specifications

Length	:	144 mm (6 in)
Width	:	92 mm (4 in)
Height	:	33 mm (1 in) (excluding the Standoffs)
Approximate Weight	:	151 g (5 oz)
Housing Material	:	Polycarbonate
Colour	:	Black, translucent

Environmental Specifications

Operating Temperature	:	-25°C to +60°C (-13°F to +140°F)
Storage Temperature	:	-40°C to +80°C (-40°F to +176°F)
Humidity Range	:	0 to 95% relative humidity at +40°C (+104°F) non-condensing

Approvals

Compliance	:	CE
Dust & Splash Resistance	:	The UniScan is designed to work in an indoor environment similar to IP20. The UniScan is, therefore, NOT sealed against water.
Drop Endurance	:	2 m (7 ft) drop (in packaging)

Ordering Information

Order the Impro UniScan Controller using the following Part Number:

- HCM990-0-0-GB-XX: Impro UniScan Controller.

Electrical Specifications

Power

Input Voltage	:	11 V DC to 15 V DC	Power (W)
Power Requirements	:	Current (mA)	
Input Voltage 12 V DC, Relay OFF	:	30	0.36
Input Voltage 12 V DC, Relay ON	:	63	0.76
Power Input Protection	:	Reverse polarity and surge protection	

Relay

Relay Output	:	1 Relay, with NO, COM and NC contacts.
Contact Ratings	:	10 A at 28 V DC, 5 A at 220 V AC

User Interfaces

Display

7-Segment Display	:	2 Displays, Red (externally visible).
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User Input

Push-buttons	:	4 Push-buttons (externally accessible).
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Related Information

For extra information relating to this product refer to the:

- Hardware Installation Manual (HCM300-0-0-GB-XX).

Warranty Details

CAUTION: We reserve the right to nullify the product's warranty where you have not properly installed the Metal-oxide Varistors. This product conforms to our Warranty details on www.impro.net

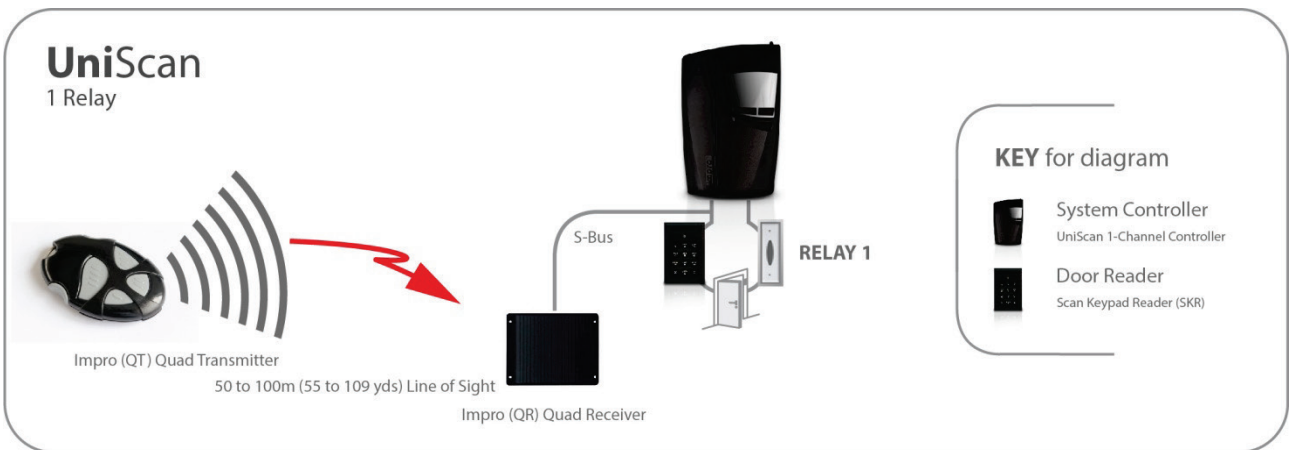


Figure 1: UniScan Controller System Overview

This Product Specification Catalogue applies to the UniScan Controller, HCM990-0-0-GB-XX. (The last two digits of the Impro stock code point to the issue status of the document or product).			
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