ACI 730/750/770 Series

Medium To Long Range Proximity Readers

ARITECH

- **Medium range reading (ACI 730/755/757)**
- **Longe range reading (ACI 775)**
- **Indoor/outdoor use**
- **Tamper protected**
- **Requires a Wiegand interface (ACA 102)**

→ ACI 730

The ProxPro Plus card reader combines the features of the ProxPro reader with a thin, low profile housing and other mounting configurations. The reading range is superior to the ProxPro reader.

→ ACI 755 & 757

The ProxPro Proximity Card reader combines all of the electronics usually found in two separate packages into a single, architecturally attractive enclosure that mounts to a standard single-gang electrical box. With its inherently weatherproof design, the reader is easily mounted either indoors or out.

To provide an additional level of security, the ACI 757 reader offers a fully integrated personal identification number keypad.

Using advanced surface-mount technology manufacturing techniques, the ProxPro reader offers high reliability, consistent read range characteristics, and low power consumption in a single, easy-to-install package. Standard capabilities include multicolour LED, internal or host control of the LED and/or beeper, and a beeper "off" switch for silent operation.

→ ACI 775

The long read range of the MaxiProx reader provides a significant user advantage by minimizing or eliminating the effort required to present an access-control card. This makes the MaxiProx reader ideal for installations incorporating parking control, or where special consideration is needed to facilitate access for the physically challenged.

The newly improved MaxiProx now also has an autotune facility and a parking hold feature for "laned" traffic.

The MaxiProx reader packages all of the electronics in one rugged, attractive, and easy-to-install housing. The broad selection of HID proximity readers allows the use of one card for all your access control requirements.

*The **ACI 730, 755/757 and 775** readers offer Wiegand protocol interface compatibility with the Aritech standard access control systems.*

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→ Technical data

Typical maximum read range*

	ACI 730	ACI 755/757	ACI 775
ProxCard II™ card	20 - 25 cm	14 - 20 cm	0 - 60 cm
ISOProx™ card	15 - 22 cm	10 - 17.5 cm	0 - 50 cm
ProxKey II™ keyfob	10 - 15 cm	2.5 - 7.5 cm	0 - 28 cm
DuoProx	15 - 22 cm	10 - 17.5 cm	0 - 25 cm
ProxPass	-	-	150 - 220 cm

Mounting (ACI 755/757)

Mounting holes fit standard U.S.A. single-gang switch boxes (vertically mouted) to simplify installation. When mounted directly on metal, a selectable jumper setting provides for improved performance.
ACI 775 : Mount on non-metallic surfaces for optimal read range performance.

Power supply

ACI 730/755/757	10 - 28.5 V dc; Reverse voltage protected.
ACI 775	12 or 24 V dc

Linear power supplies are recommended.

Audiovisual indication

When a proximity card is presented to the reader, the red LED flashes green and the beeper sounds. The multicolour LED and beeper can also be controlled individually by the host system.

Current requirements

Current (dc)	ACI 730/755/757	ACI 775
Average	100 mA	1 A
Peak	160 mA	1.7 A

Diagnostics

On reader power-up, an internal self-test routine checks and verifies the set-up configuration, determines the internal or external control of the LED and beeper, and initializes the reader operation.

Indoor/outdoor design

The ProxPro and MaxiPro readers are sealed in a rugged, weatherized polycarbonate housing to withstand harsh environments and provide a high degree of vandal resistance. This allows the reader to be easily installed in any location.

* Depending on local installation conditions

Dimensions

ACI 730	190 x 190 x 23 mm
ACI 755/757	127 x 127 x 25 mm
ACI 775	300 x 300 x 25 mm

Material Polycarbonate UL 94

Weight

ACI 730	426 gr
ACI 755/757	336 gr
ACI 775	1.4 kg

Operating temperature -30º to 65º C

Easily interfaced

The readers interface with the Aritech existing access control systems via the ACA102 Wiegand interface.

Operating humidity 0 - 95% non-condensing

Security

The readers recognize over 137 billion unique codes.
Also includes tamper protection.

Transmit frequency 125 kHz

Certifications

UL 294 listed
FCC part 15, United States
CE Mark approved
DTI (MPT 1337), United Kingdom (only for ACI 775)
BZT pending (only for ACI 775)
RF Type apporval for U.K., Germany, Belgium Australia; others pending (ACI 755/757)

Cable distance

Wiegand interface: 150 m
Recommended cable is ALPHA 1295 (22 AWG)
5 conductor stranded with overall shield or equivalent.
Additional conductors are required for LED control.

→ How to order

ACI 730	Medium range proximity reader
ACI 755	Medium range proximity reader
ACI 757	Medium range proximity reader with keypad
ACI 775	Long range proximity reader
Accessories	
ACA 102	Wiegand interface
ACT 725	Standard proximity card
ACT 736	Duo proximity card
ACT 745	Proximity keyfob
ACT 786	ISO proximity card
ACT 790	ProxPass active tag for ACI 775
IDP 67	Belt clip (for ACT 725, 736, 786)
IDS 940M	Self-extracting reel (for ACT 725, 736, 786)