

ACI 760/790 Series

Short Range Proximity Readers

- Short range reading
- Small, inconspicuous readers
- Indoor/outdoor use
- Designer reader
- Requires a Wiegand interface (ACA 102)



→ General

All readers accept 5 - 16V, so that one model can meet most voltage requirements. The readers are available with Wiegand interface. The 5 V capability allows existing swipe-type access control installations to be easily upgraded to proximity technology, simply by changing the existing reader heads and cards.

The readers offer high reliability, consistent read range characteristics, and low power consumption in a single, easy-to-install package.

→ ACI 760

The ProxPoint proximity reader is so small and inconspicuous, you hardly know it's there. In addition to its small, attractive design, all of the reader electronics are potted making it ideal for both indoor and outdoor applications. The ProxPoint reader is priced to fit the tightest of budgets.

The ProxPoint reader offers high reliability, consistent read range characteristics and low power consumption in a single, easy-to-install package. Standard capabilities include multi-colour LED and compatibility with all standard access control systems. The ProxPoint reader is designed for mounting directly on metal with no change in read range performance.

→ ACI 765

The MiniProx Proximity Card Reader boasts a new slim design to match any decor. The attractive new design allows the MiniProx reader to be mounted indoors or out.

The MiniProx reader is designed for mounting directly on metal with no change in read range performance.

→ ACI 795

The Thinline II Proximity Card Reader provides the same performance and reliability as the MiniProx™ proximity reader, but with a low-profile appearance.

The ThinLine II reader is available in white and black to match virtually any office decor.

Standard capabilities include multicolor LED and internal control or host control of the LED and beeper. The ThinLine II reader will mount on a single-gang electrical box, and can be mounted directly on metal with minimal impact on the read range performance.

The ACI 760/765 and ACI 795 short range proximity readers are small and attractive enough to fit into any environment.

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→ Technical data

Typical maximum read range*	ACI 760	ACI 765	ACI 795
ProxCard II™ card	5 - 7.5 cm	10 - 14 cm	10 - 14 cm
ISOProx™ card	2 - 6 cm	5 - 12 cm	5 - 10 cm
ProxKey II™ keyfob	2 - 3.7 cm	2.5 - 5 cm	2.5 - 5 cm
ProxCard Plus card	1.5 - 2.5 cm	2.5 - 5 cm	2 - 3.7 cm

Mounting

The readers are designed to be unobtrusive and to mount directly on metal, such as door mullions.

ThinLine readers are designed to mount on a single gang electrical box for easy installation and can be mounted directly on metal with minimal impact on the read range performance.

Power Supply

4.75 - 16 V dc

Linear power supplies are recommended.

Visual indication

When a proximity card is presented to the reader, the red LED flashes green and for the ACI 765 & ACI 795 the beeper sounds. The multicolour LED and beeper of the ACI 765 & ACI 795 can also be controlled individually by the host system.

Current requirements	ACI 760	ACI 765/795	
Current (dc)		5 V dc	12 V dc
Average	35 mA	40 mA	50 mA
Peak	60 mA	60 mA	120 mA

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.

Dimensions

ACI 760	79 x 43 x 13 mm
ACI 765	152 x 43 x 19 mm
ACI 795	119 x 76 x 17 mm

* Depending on local installation conditions

Indoor/outdoor design

The ProxPoint reader is sealed; the MiniProx and ThinLine readers are mounted in a rugged, weatherized polycarbonate housing to withstand harsh environments and provide a high degree of vandal resistance for outdoor installations.

Material

Polycarbonate UL 94

Weight

ACI 760	75 gr
ACI 765	108 gr
ACI 795	94 gm

Operating temperature

-30° to 65° 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 reader recognizes over 137 billion unique codes.

Transmit frequency

125 kHz

Certifications

UL 294 listed
FCC part 15, United States
DTI (MPT 1337), United Kingdom
CE Mark
BZT pending

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 760	ProxPoint short range proximity reader - Black
ACI 765	MiniProx short range proximity reader - Black
ACI 795	ThinLine short range proximity reader - Black
ACI 795W	ThinLine short range proximity reader - White

Accessories

ACA 102	Wiegand interface
ACT 725	Standard proximity card
ACT 736	Duo proximity card
ACT 745	Proximity keyfob
ACT 786	ISO proximity card
IDP 67	Belt clip (for ACT 725, 736, 786)
IDS 940M	Self-extracting reel (for ACT 725, 736, 786)

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