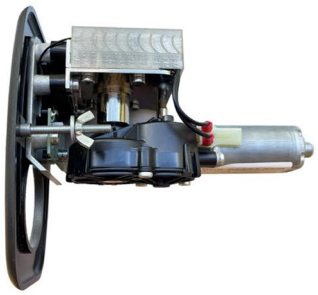
keonn Retail RFID Systems

AdvanPay-500 ™

RFID conditional detacher
for hard tags

Keonn Technologies S.L.

AdvanPay-500™
RFID conditional detacher for hard tags



Video

Benefits:

- Enables self-checkout
- Reduces theft
- Requires little space

Applications:

- Points of sales
- Self-checkouts

Product overview

In order to improve the customer experience at retail stores, retailers are deploying RFID self checkout solutions, like **AdvanGo**.

These solutions work great when the retailer uses RFID labels, but have a challenge when the retailer uses RFID hard tags: how to make sure that the hard tag that the customer is detaching corresponds to a paid product.

In these situations, a conditional RFID hard tag detacher is needed: a device capable of detecting which hard tag has been placed on the detacher, verify if it has been paid and detach the hard tag accordingly.

AdvanPay-500 is an RFID conditional detacher of hard tags for self-checkout in retail stores.

AdvanPay-500 removes the hard tags from garments easily and quickly, avoiding queues in the payment process while offering the maximum security for the retailer.

AdvanPay-500 is compatible with Concept Tags. Concept hard tags have a very robust locking mechanism that achieves higher theft reduction than magnetic hard tags.

In this way, by using AdvanPay-500 with Concept Tags, retailers achieve two simultaneous goals: enable self checkout and reduce theft.

AdvanPay-500 includes a beeper.

AdvanPay-500 installed

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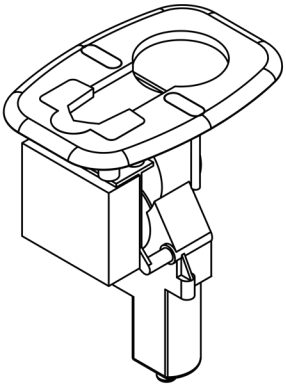
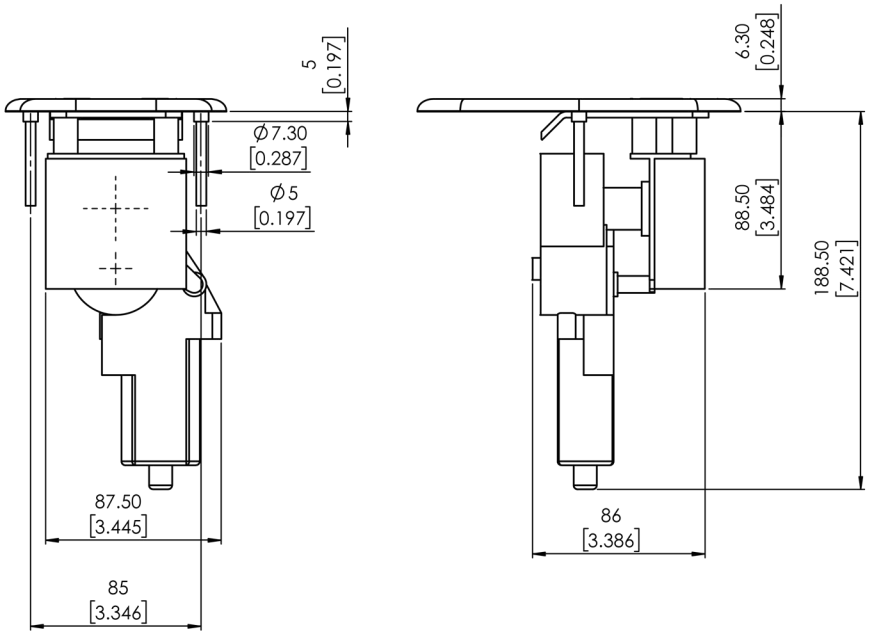
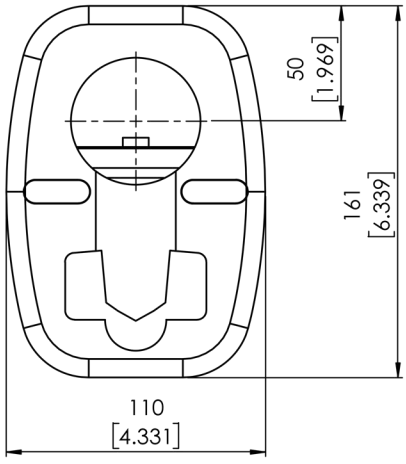
Mechanical specifications







Units in millimeters and [inches]

AdvanPay-500™
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Radiofrequency specifications

Air Protocol Interface	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	FCC (NA, SA) (917.4 – 927.2) MHz ETSI (EU) (865.6 - 867.6) MHz TRAI(India) (865 - 867) MHz KCC (Korea) (917 – 923.5) MHz MIC (Japan) (916.9 – 923.4) MHz ACMA (AU) (920 – 926) MHz NZ (New Zealand) (922 - 927) MHz SRRC-MII (P.R.China) (920.125 – 924.875) MHz MY (Malaysia) (919.0 – 923.0) MHz ID (Indonesia) (923.0 – 925.0) MHz PH (Philippines) (918.0 – 920.0) MHz TW (Taiwan) (922.0 – 928.0) MHz MO (Macao) (920.0 – 925.0) MHz RU (Russia) (866.0 – 868.0) MHz SG (Singapore) (920.0 – 925.0) MHz VN (Vietnam) (866.0 – 869.0) MHz TH (Thailand) (920.0 – 925.0) MHz AR (Argentina) (915.0 – 928.0) MHz HK (Hong Kong) (865.0 – 868.0) MHz BD (Bangladesh) (925.0 – 927.0) MHz Brazil (917.4 – 927.2) MHz by using channel selection Chile(916 – 928) MHz by using channel selection Peru (917.4 – 927.2) MHz by using channel selection Taiwan (922.600 – 927.2) MHz by using channel selection Open Region (859 – 873) MHz and (915 – 930) MHz (by using channel selection)
RF Power	Programmable from 0 dBm to +27 dBm in 0.5 dBm steps
RF Antenna	Integrated antenna RF field is confined to avoid reading unwanted tags.
Data communications	Serial over USB **USB power connector (micro-B)** Communications uses RS232 over USB (FTDI chip)
Power supply	Power supply 12 V (DC) 3A (Power supply is provided)
Power consumption	Idle consumption < 1 W Max RF consumption (@27 dBm) < 4.5 W
Temperature range	0 °C to 40 °C
Dimensions	161 x 110 x 6.2 x 188 mm (6.3 x 4.3 x 0.24 x 7.4 inches)
Weight	1775 g (3.9 lb)
Enclosure	0 to 90%, non-condensing

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Product codes for ordering

ADPY	-	C	M	-	FF	-	mmm	
								C = confined
		C						Confined reading area
								M = mount
			F					Flush mount
								FF = frequency band
					EU			865,6 MHz - 867,6 MHz
					US			917,0 MHz - 928,0 MHz
								Model
							500	Model number

Examples:

ADPY-CF-EU-500:

- AdvanPay
- **C**onfined
- **F**lush mount
- Frequency band: 865,6 MHz - 867,6 MHz
- Model 500

ADPY-CF-US-500

- AdvanPay
- **C**onfined
- **F**lush mount
- Frequency band: 917,0 MHz - 928,0 MHz
- Model 500

Information in this publication supersedes all earlier versions. Specifications subject to change without notice.

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