



# FLEXPASS

## CURVE

A SIMPLE ELEGANCE. THE CURVE COVER DESIGN REFLECTS A MOVEMENT TOWARDS THE GRACEFUL DESIGNS AND MATERIALS OF THE FUTURE.



CURVE

AVAILABLE IN: BLACK BLUE

INDALA PROVIDES A COMPLETE PRODUCT PORTFOLIO WITH THE FLEXSECUR™ TECHNOLOGY - THE CONFIDENCE OF SECURITY BETWEEN CARD AND READER. SUPPORTED WITH INNOVATIVE DESIGN AND RESPONSIVE CUSTOMER CARE.

FLEXPASS™

An ASSA ABLOY Group company

ASSA ABLOY

# CURVE

## SPECIFICATIONS

**Size**  
 Slim: 4.9" H x 1.7" W x 1.1" T (12.4cm x 4.3cm x 2.8cm)  
 Wallswitch: 5.0" H x 3.8" W x 1.1" T (12.7cm x 9.6cm x 2.8cm)  
 Mid-Range: 5.9" H x 6.2" W x 1.3" T (14.9cm x 15.7cm x 3.3cm)

**Read Range**  
 Slim: Up to 5" (12.7cm) using FlexCard™ standard card  
 Wallswitch: Up to 5" (12.7cm) using FlexCard standard card  
 Mid-Range: Up to 12" (30.5cm) using FlexCard standard card

**Input Voltage**  
 Slim: 4-16 VDC at reader  
 Wallswitch: 4-16 VDC at reader  
 Mid-Range: 4-14 VDC at reader

**Typical Current Draw**  
 Off Metal:  
 Slim: 65 mA @ 12 V; 86 mA @ 5 VDC  
 Wallswitch: 65 mA @ 12 V; 86 mA @ 5 VDC  
 Mid-Range: 117 mA @ 12 V; 70 mA @ 5 VDC

On Metal:  
 Slim: 86 mA @ 12 V; 97 mA @ 5 VDC  
 Wallswitch: 86 mA @ 12 V; 97 mA @ 5 VDC  
 Mid-Range: 111 mA @ 12 V; 65 mA @ 5 VDC

Maximum:  
 Slim: 96 mA @ 12 V; 100 mA @ 5 VDC  
 Wallswitch: 96 mA @ 12 V; 100 mA @ 5 VDC  
 Mid-Range: 140 mA @ 12 V; 82 mA @ 5 VDC

**Operating Temperature** -31° to +149°F (-35° to +65°C)  
**LED Indicator** Tri-color standard (red, green, amber)  
**Audio Tone** Standard, independently controllable (not tied to LED)  
**Output Formats** Wiegand, ABA Track II Magnetic Stripe, and Serial TTL (requires use of BIL 232/422 Module)

**Frequency** 125 kHz (excitation)  
**Read Time (26-bit)** 200 ms (from read to data output)  
**Security** Various levels (configurable) FlexSecur™  
**Programming** Factory or field programmable via FlexPass ProxSmith™ Programmer and Tool Kit  
**Color** Black, Blue

**Other Features** Self Test, QuickFlash, and WatchDog

Product Description	Package* Part #	Bezel Only Part #	CEM Only Part #
<b>Slim, Black</b>	FP2511A	FPZ-2511A	FPC-0500A
<b>Slim, Blue</b>	FP2514A	FPZ-2514A	FPC-0500A
<b>Wallswitch, Black</b>	FP2521A	FPZ-2521A	FPC-0500A
<b>Wallswitch, Blue</b>	FP2524A	FPZ-2524A	FPC-0500A
<b>Mid-range, Black</b>	FP2231A	FPZ-2231A	FPC-0200A
<b>Mid-range, Blue</b>	FP2234A	FPZ-2234A	FPC-0200A
<b>Mid-range, Black, Serial</b>	FP2231S	FPZ-2231A	FPC-0200S
<b>Mid-range, Blue, Serial</b>	FP2234S	FPZ-2234A	FPC-0200S

\*Packages include Core Electronics Module (CEM) and Bezel.



SLIM



WALLSWITCH



MID-RANGE

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**Credentials**  
 The Indala FlexPass Curve is designed to work seamlessly with Indala FlexPass credentials such as the FlexISO™, FlexKey™, FlexCard, and FlexISO XT Durable Composite Card.

## APPROVALS

UL 294/cUL, FCC Certification - United States, Canada Certification, CE Mark - Europe, Australia C-Tick, New Zealand, EMC

## WARRANTY

Indala warrants this product against defects in material and workmanship under normal use and service. The warranty period commences with the date of shipment. See complete warranty statement for further details.

Read range stated when readers installed according to instructions. Read range may vary when mounted on metal and with different cover designs. Illumination colors may differ based on cover design color. Specifications subject to change without notice. Indala reserves the right to discontinue any product without notice.

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