iCLASS R10, R15, R30, R40 READERS

13.56 MHz Contactless Smart Card Readers

iCLASS 13.56 MHz contactless smart cards and readers make access control more powerful, more versatile and offer enhanced security through data encryption and mutual authentication between the card and reader. iCLASS readers are user-friendly, delivering the same convenience and reliability of HID's world-renowned Prox technology, with state-of-the-art features, driven by evolving industry requirement.

Feature List:

∗   Format Portability: Upgrading is completely transparent since the same Prox format and user identification numbers are brought across to your future iCLASS credentials, including HID Corporate 1000 formats.

∗   Secure: All RF data transmission between the card and reader is encrypted using a secure algorithm.

∗   Interoperability: iCLASS is based on international ISO interoperability standards providing compatibility with many popular card technologies (ISO15693, ISO14443A and ISO14443B).

∗   Optimal Read Range Performance: An auto-tuning feature automatically adjusts the reader for optimal read range performance on any mounting surface.

∗   Indoor/Outdoor Design: Rugged, weatherized polycarbonate enclosure, designed to withstand harsh environments, provides reliable performance and resistance to vandalism.

Technical Specifications:

	R10	R15	R30	R40
Part Number	225-ICL-R10	225-ICL-R15	225-ICL-R30	225-ICL-R40
Dimensions	1.9″ x 4.0″ x 0.9″	1.9″ x 6.0″ x 0.9″	3.3″ x 3.3″ x 0.9″	3.3″ x 4.8″ x 1.0″
Power Supply	5-16 VDC, Linear supply recommended			
Current Requirements	55mA AVG, 116mA PEAK	55mA AVG, 112mA PEAK	55mA AVG, 121mA PEAK	55mA AVG, 121mA PEAK
Operating Temperature	-40° to 150° F (-40° to 65° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Transmit Frequency	13.56 MHz			
Housing Material	UL94 Polycarbonate			
Cable Distance	Wiegand/Clock-and-Data Interface 500ft (150m) 22 AWG			
Mounting	The R10 and R15 are physically our smallest readers and are ideally suited for mullion-mounted door installations, U.S. single-gang J-box or any flat surface (Reader will not cover junction box).	The R30 is 83.8 mm (3.3″) square reader is designed to mount to and cover standard European and Asian back boxes.		The R40 is designed to mount and cover single gang switch boxes primarily used in the United States and includes a slotted mounting plate for European and Asian back box spacing.
Read Range				
iCLASS Card	Up to 3.25″ (8.9 cm)	Up to 3.5″ (8.9 cm)	Up to 4.0″ (10.2 cm)	Up to 4.25″ (10.8 cm)
iCLASS Key/Tag	Up to 1.5″ (3.8 cm)	Up to 1.5″ (3.8 cm)	Up to 2.0″ (5.1 cm)	Up to 2.0″ (5.1 cm)