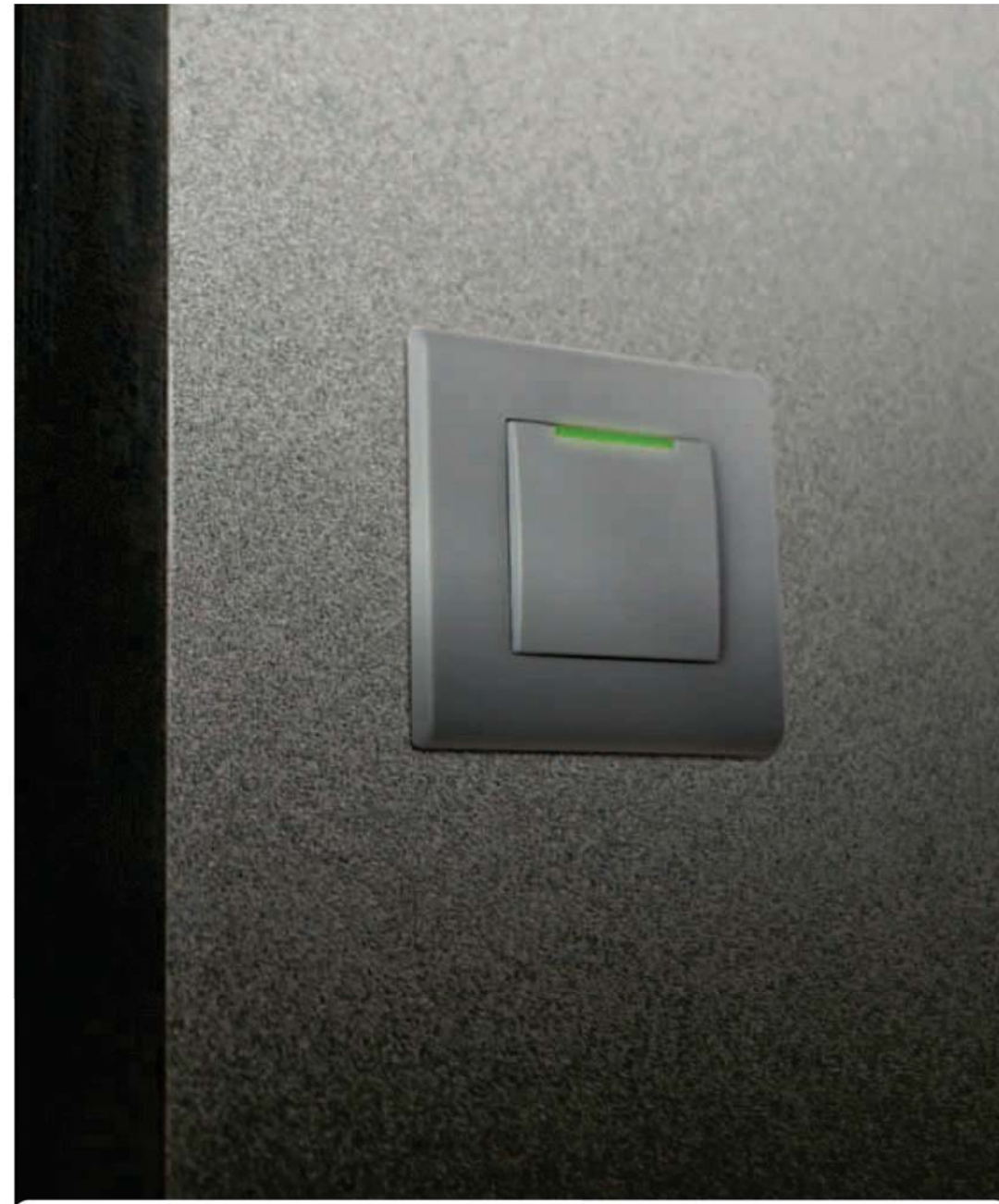# SPECIFICATIONS

| | |
|---|---|
| Model Name | R10 |
| Base Part Number | 900N |
| **Typical Read Range* (inches)** | **13.56 MHz Single Technology ID-1 Credentials (Cards) - SIO Data Model** |
| | **iCLASS SE®:** 2.8" (7.1 cm)<br>**SE for DESFire® EV1:** 1.6 (4.1 cm)<br>**SE for MIFARE® Classic:** 2.6" (6.6 cm) |
| | **13.56 MHz Single Technology Tags/Fobs - SIO data Model** |
| | **iCLASS SE®:** 1.5" (3.8 cm)  **SE for MIFARE® Classic:** 1.2" (3.0 cm) |
| Color | From HID-White, Black, lt. Gray, aluminum and Anthracite |
| Keypad | No |
| Product Weight (Pigtail) | |
| Product Weight (Terminal Strip) | |
| Operating Voltage Range | 5-16 VDC, Linear supply recommended |
| Current Draw - Standard Power Mode*** (mA) | 45 |
| Current Draw - Intelligent Power Management (IPM) Mode*** (mA) | 25 |
| Peak Current Draw - Standard Power or IPM Mode*** (mA) | 75 |
| NSC** Power Consumption - Standard Power Mode (W @ 16VDC) | 0.7 |
| NSC** Power Consumption - w/ IPM (W@ 16VDC) | 0.4 |
| Operating Temperature | -31º to 150º F (-35º to 65º C) |
| Storage Temperature | -67º to 185º F (-55º to 85º C) |
| Operating Humidity | 5% to 95% relative humidity non-condensing |
| Environmental Rating | IP55 |
| Transmit Frequency | 13.56 MHz |
| 13.56 MHz Card Compatibility | Secure Identity Object™ (SIO Non-default programmable options include: additionally support - standard iCLASS® Access Control Application (order with Standard interpreter) |
| Communications | Optional OSDP with SCP over RS485<br>Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results |
| Panel Connection | Pigtail or Terminal Strip |
| Certifications | UL294/cUL**** (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea), NCC (Taiwan), iDA (Singapore), RoHS, FIPS-201 Transparent FASC-N Reader |
| Cryto Processor Hardware Common Criteria Rating | EAL5+ |
| Patents | US7124943, US6058481, US6337619 |
| Housing Material | UL94 Polycarbonate |
| Manufactured with % of recycled content (Pigtail) | 10.5% |
| Manufactured with % of recycled content (Terminal Strip) | 11.0% |
| UL Ref Number | R10E |
| Warranty | Limited Lifetime |



**iCLASS SE® Décor Reader**

**HID®**

white




light grey


anthracite


black


aluminum

# HID Global iCLASS SE® Décor

- New look, new fit for office design buildings meeting architectural and style requirements

- Stylish form factor with flush mounting

- Seamlessly fits switch solutions (Gira, Legrand) as well as intercom systems (Siedler)

- Supports Open Supervised Device Protocol (OSDP) for secure, bi-directional communications

- Multi-technology reader for the widest variety of credential support including iCLASS SE®, iCLASS Seos™, MIFARE®, DESFire® and Proximity technologies

- Provides secure upgrades for migration and extended lifecycle

- Supports Mobile Access applications through Near Field Communication (NFC)

- Deliver enhanced functionality for future applications

- Includes intelligent power management and recycled content for sustainability