

TS Readers

Mullion, Wall Mount, and
Wall Mount Keypad



TS (Touch Secure) Readers are designed to offer system integrators and users robust performance and maximum flexibility

TS Readers work with system changes and alterations, such as expansion, corporate mergers, or simply the desire to expand and increase a facility's security. From corporate campuses or universities to complex environments, they fully support entire populations of access control users.

In addition to proximity and smart cards, TS Readers support TS Cards, highly secure standards-based credentials. Strong authentication ensures that information is transferred only after the system has determined that both parties in the system are trustworthy and has validated that the data can be transferred securely.

TS Readers were designed for security from the start, built around the most advanced Secure Access Module (SAM). All keys are securely managed and stored in SAM; all configurations and updates are signed and validated to preserve security.

For projects that require strong Two-factor authentication, Hirsch offers the TS Wall Mount Keypad Reader. The weather-resistant design provides complete key area illumination for evening use and vandal-resistant metal keycaps for extra-long life. The PIN pad supports the most popular data structures to the controller.

High-Security Features

One Reader, All Major Credentials

- Styles, configurations, and functionalities to support all major credentials from proximity to secure smart card

Highly Secure

- Multiple layers of security based on a certified hardware security element

Communication Flexibility

- Supports Wiegand or RS-485/OSDP data protocols; RS-485/OSDP enables remote firmware flashing

Interoperability Based on Open Standards

- Based on strong security without compromising interoperability

TS Mullion Reader Specifications

	TS Mullion HF	TS Mullion HF/LF	TS Mullion LF
Part Numbers	8000ABP0000 8000ABT0000 8000ABPR000 8000ABTR000	8010ABP0000 8010ABT0000 8010ABPR000 8010ABTR000	8020ABP0000 8020ABT0000 8020ABPR000 8020ABTR000
Current Consumption (@12V)	100 mA Average 133 mA Peak		
Power Supply	5 - 16 VDC		
Dimensions	Body: 4.6 in (11.7 cm) H x 1.7 in (4.3 cm) W x 1.1 in (2.8 cm) D		
Weight	5 oz. (142 g)		

TS Wall Mount Reader Specifications

	TS Wall Mount HF	TS Wall Mount HF/LF	TS Wall Mount LF
Part Numbers	8100ABP0000 8100ABT0000 8100ABPR000 8100ABTR000	8110ABP0000 8110ABT0000 8110ABPR000 8110ABTR000	8120ABP0000 8120ABT0000 8120ABPR000 8120ABTR000
Current Consumption (@12V)	97 mA Average 114 mA Peak		
Power Supply	5 - 16 VDC		
Dimensions	Body: 4.6 in (11.7 cm) H x 3.1 in (7.8 cm) W x 1.1 in (2.8 cm) D		
Weight	10.25 oz (290 g)		

TS Wall Mount Keypad Reader Specifications

	TS Wall Mount Keypad HF	TS Wall Mount Keypad HF/LF	TS Wall Mount Keypad LF
Part Numbers	8200ABP0000 8200ABPR000 8200ABT0000 8200ABTR000	8210ABP0000 8210ABPR000 8210ABT0000 8210ABTR000	8220ABT0000 8220ABTR000
Current Consumption (@12V)	110 mA Average 155 mA Peak		
Power Supply	6 - 16 VDC		
Dimensions	Body: 4.6 in (11.7 cm) H x 3.1 in (7.8 cm) W x 1.1 in (2.8 cm) D		
Weight	10.93 oz (310 g)		

Common Specifications

	HF	HF/LF	LF
Carrier Frequencies	13.56 MHz	13.56 MHz and 125 kHz	125 kHz
Low Frequency (125kHz) Compatibility	N/A	HID ® Prox, Indala ®, CASI-RUSCO®, AWID and others	
High Frequency (13.56MHz) Compatibility	TS DESFire, MIFARE Classic, MIFARE DESFire EVx, ISO15693 UID, ISO14443A UID		N/A
Housing Material	UL 94 Polycarbonate, Black		
Operating Temperature	-31 to 151° F (-35 to 66° C)		
Storage Temperature	-31 to 185° F (-35 to 85° C)		
Operating Humidity	5% to 95% relative humidity (non-condensing)		
Connections	Pigtail or Terminal Strip		
Status Indicator	RGB LED, Buzzer		
Data Protocols	Wiegand RS-485/OSDP (2 Wire - Half Duplex)		
OSDP Baud Rate/Address	115,200 kbps; Address 0, Address 1 (P1.1 to P1.4 jumper)		
Certifications	FCC, UL 294, CE, IC, RCM, RoHS2, REACH, UKCA, GSA APL		
Environmental Rating	Pigtail versions: IP67; Terminal versions IP65		
Warranty	Limited Lifetime		