

### Features

#### Designer Finish

- Uniquely designed reader illuminates when touched

#### Robust

- IP65 water-resistance for installation at open areas such as pedestrian gates
- 4H non-scratch coating minimises wear and tear - your readers will always look clean and polished
- Touch-screen keypads reduce keypad deterioration which can compromise PIN security
- All input and output connections are protected against 12VDC and static discharge
- Comes with a security screw and non-mechanical tamper sensor to deter and detect tampering

#### User-friendly

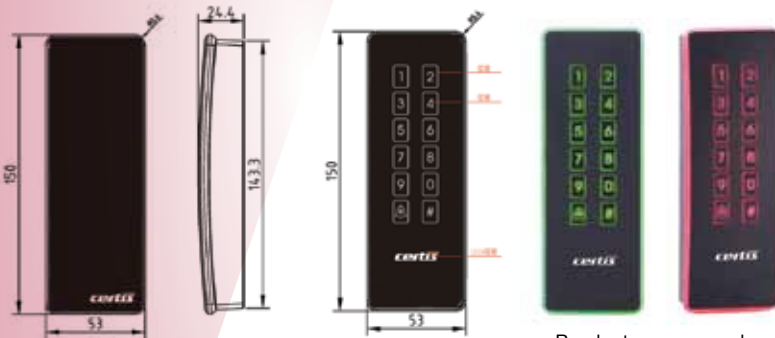
- Easy to use touch-screen keypad
- Low light backlit facilitates keypad entry in dim areas
- Provides audio and LED alerts, e.g. *Door Left Open, Access Granted and Access Denied*
- LED serves as an exit indicator in the event of smoke or fire

#### Multiple Features

- Option to use PIN-in-card to facilitate PIN only mode. Useful for temporary access by temporary staff or unscheduled visits
- External doorbells are not required! Keypad readers come with built-in door chimes for easy installation and reduces clutter of devices at entrance

#### Installer-friendly

- Configuration card available for hassle-free format setting
- Metal back plate reduces interference when installed on metal surfaces
- Reverse power protection to prevent accidental damage when power polarity is reversed
- Fitted with a non-drop bottom screw for easy installation
- Fits both UK and US standard gang boxes
- Compatible with major controllers in the market



Reader turns green when access is granted and red when access is denied.

### Technical Specifications

	SP-9000 125kHz Reader	SM-9000 Mifare Reader	SPK-9000 125kHz Reader w/ Keypad	SMK-9000 Mifare Reader w/ Keypad
Reconfigure Window	Default 5 seconds; selectable to 30 mins upon start up			
Reader Output Format	-	UID 26 bits, 32 bits, 35 bits, 37 bits, 56 bits (backward/forward), sector reading for programmed ID	-	UID 26 bits, 32 bits 35 bits, 37 bits, 56 bits (backward/forward), sector reading for programmed ID
Wiegand Plus Width	Selectable			
Keypad Output	-		Selectable	
Buzzer Control	Default reader and controller control; selectable to controller control only			
LED / Backlit Control	Selectable to blue, yellow or green			
Typical Read Range	>5cm			
Reader Standard Output	Wiegand (RS232 & RS485 are available)			
Standard Keypad Output	-		Wiegand with 4 bits burst	
Wiring Distance	150m (22AWG with shielded FT4 compliant cable)			
Frequency	125kHz	13.56MHz; ISO14443A	125kHz	13.56MHz; ISO14443A
Operating Voltage	10 - 15 VDC			
Operating Current	150mA (Max.)			
Operating Temperature	-30°C - 70°C			
Operating Humidity	10% - 90%			
Case Material	PC + ABS			
Exterior Dimension (mm)	143 x 46 x 25			
Weight (g)	180			

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