

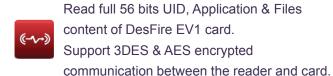




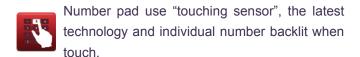


# **DesFire EV1 Magic Series Reader**

## **Design & Technologies**







Display Magic can provide customer a full series of choices

> Display reader can display CSN/UID number or Programmed Card Number or user Name when the user card is present.\* (Supported Multiple Languages)



Front plate customization and back lit design is available.



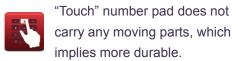
Door Bell function for Number pad reader.

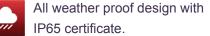
Economical Mini Magic can be mullion mount.

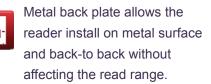
OLED Display allow user to see the message clearly under direct sunlight.

A PIN can be set inside the card to authenticate with the reader so that "Card + PIN" mode can be implemented without relying on the controller.\*

## Friendly Installation









Universal back plate allows the reader be installed on different size of gang box.



Non-drop bottom screw made servicing handier.



All input and output signals are protected against static charges.



Reverse power protection.



Stainless steel Security screw is an option



All inputs are 12Vdc protected.











RF Technologies				Reader Appearance and Function		
			N <sub>1</sub>	3 = Normal Reader ; 5 = Display Reader		
	MD = DesFire Technology		N <sub>2</sub>	2 = Normal Size 8 = Mini Size		
X <sub>1</sub> X <sub>2</sub>			N <sub>3</sub> 2 = Read UID / Card		d Number	
			143	3 = Sector reading	(Only Mifare)	
			N <sub>4</sub>	3 = Terminal (for Display Reader) 8 = Pigtail		
			<b>X</b> <sub>3</sub>	N = No Number pad; K = Number pad		
Model		Standard & Mini Reader	Ke	ypad Reader	Display Reader	
Configurable Functions						
Re-configure Window		5 seconds (Default) or Half an hour after Power up				
Reader Output Format		CSN/UID 32bits, 34bits, 56bits (backward/forward), file content reading for programmed ID				
Wiegand Plus Width		Different choices to fit with different Controller's requirements				
Keypad Output		N/A	Definable		Definable	
Buzzer Control		Reader & Controller control (Default) or Controller control only				
LED/Back lit Control		Define different LED color response base on Green LED		N/A		
Display Clock Synchronization.		N/A	N/A		H/W reset	
					Via RS485 TimeSyn S/W	
Technical Specifications						
Typical Read range		2 – 3 cm				
Reader Standard Output		Wiegand (RS232 & RS485 optional)				
Standard Keypad output		N/A	Wiega	and with 4 bits burst	Wiegand with 4 bits burst	
Display		N/A		N/A	OLED Display	
Display Message		N/A		N/A	<ul> <li>Access Granted, Access</li> <li>Denied, Enter PIN;</li> <li>Time;</li> <li>Card Number</li> </ul>	
Wiring Distance		150m (22 AWG with shielded cable)		120m (22 AWG with shielded cable)		
Operating Specification:						

Operating Voltage	10 - 15VDC				
Operating Current	150mA (max)				
Operating Temperature	-30℃-70℃				
Exterior dimension (Mini)	115.5*84.5*20.5mm (84.05*54.05*16.5mm)				
Case material	PC+ABS				
Standard Color	Black				
Operating Humidity	10% - 90%				
Weight (Mini)	210g (160g)				

## FCC Caution.

#### § 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### § 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### § 15.105 Information to the user.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.