

MF1040e and MF1050e

ACTpro MIFARE READER

VANDERBILT



The ACTpro MF1040e and MF1050e MIFARE readers offer unsurpassed quality and reliability, together with quick and dependable read times. Both reliable and difficult to compromise, the attractive housing is constructed of rugged polycarbonate plastic. The design complements any office or building environment and can be mounted on a single-gang electrical box, or directly to an interior or exterior wall.

The illuminated keypad of the ACTpro MF1050e provides an additional level of security by allowing the cardholder to enter a personal identification number (PIN) in conjunction with the card. The reader can be programmed for Proximity only, PIN only or proximity & PIN. When the reader senses the presentation of a valid card or key tag, a high visibility quad-colour LED can be combined with the built-in audible sounder indicating that access has been granted.

MIFARE card technology refers to the most widely used type of contactless smart cards. Thanks to their reliability and low cost, these cards are widely used for access control, electronic wallet, corporate ID cards, transportation or stadium ticketing. MIFARE cards are smartcards that contain memory that enable multiple applications to read and write data to and from the card. The memory on the MIFARE classic cards is divided into 16 sectors and each sector is protected by its own keys. Each MIFARE classic card has a unique serial number.

Key Features include:

- Proximity (MF1040e) or Proximity & PIN (MF1050e) reader
- Configurable as a Serial or Sector reader
- Clock & Data or Wiegand output (26bit, 37bit)
- Built-in buzzer tone for audible indications
- Quad-colour LED indication
- Surface/Flush mounting brackets included
- Mounts on standard single gang electrical back box
- Robust Polycarbonate Housing (IP67)
- Keypad Backlighting

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■ Technical Data

	MF1040e	MF1050e
Installation	Indoor & Outdoor	Indoor & Outdoor
Proximity/PIN	Proximity	Proximity & PIN
Indicators	4 x LED (blue, red, yellow, green)	4 x LED (blue, red, yellow, green)
Buzzer	YES	YES
Keypad	NO	12 (0-9, A and B)
Reading Technology	13.56 MHz Mifare Classic, ISO14443A	13.56 MHz Mifare Classic, ISO14443A
Reading	Selectable sector, serial & reverse serial	Selectable sector, serial & reverse serial
Connections	8 pole, fixed terminal block	8 pole, fixed terminal block
Output formats	Wiegand or Clock & Data	Wiegand or Clock & Data
Communication	Clock&Data for Omnis Wiegand for SPC, Entro & SiPass integr. MK2 Swipe reader for Granta	Clock&Data for Omnis Wiegand for SPC, Entro & SiPass integr. MK2 Swipe reader for Granta
Mounting	Surface / Flush	Surface / Flush
Cabling	EKKX / ELLXEB 4 x 2 x 0.5	EKKX / ELLXEB 4 x 2 x 0.5
Max cable length	25m	25m
Dimensions (W x H x D)	95mm x 128mm x 19mm	95mm x 128mm x 21mm
Weight	142g	155g
Operating Temperature	-10°C to +50°C	-10°C to +50°C
Operating Voltage	12 - 24 Volt DC	12 - 24 Volt DC
Current Consumption	70mA, 12VDC (max 140mA)	70mA, 12VDC (max 140mA)
IP rating	IP67	IP67

■ Ordering Information

Type	Art. No.	Description	Weight*
MF1040e	N54504-Z56-A2	MF1040e ACTpro MiFare Reader	0.270kg
MF1050e	N54504-Z55-A2	MF1050e ACTpro MiFare Reader with keypad	0.290kg

* Total weight of the product inclusive of the weight of its accessories and packaging.

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