

Unit: mm

● Features

- Allow up to 600 proximity cards and PIN codes
- RF Frequency: EM-400x 125 KHz
- Tamper switch and alarm buzzer included
- Fully Programmable via keypad and master code
- Access mode selectable: card only, card or PIN, card+PIN
- Support Wiegand 26 or 44-bit format auxiliary reader
- Logical memory to prevent duplication
- Invalid PIN Lock-out
- Beeper sound
- Non-Volatile Memory
- Removable memory chip from the PC board

● Statement

DG-600E stand-alone Proximity Reader is ideal for single-door access control. It may connect to another reader and serve as a controller. DG-600E enables the beeper to go off whenever the keypad is pressed. A tamper switch is used to protect the reader from external damage by linking the relay to the alarming system. This model communicates in Wiegand protocol and has a set of 600 proximity cards set to 26-bit or 44-bit. It takes the reader 0.5 seconds at most to read a proximity card or 5-digit PIN code. The built-in non-volatile memory preserves the PINs for as long as 10 years. Even when the power fails, the stored PIN codes will not be washed away.

● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

● Specifications

- Operating Voltage: 12VDC
- Current Draw: Average 50mA, Peak 100mA/12VDC
- Transmitting Frequency: 125 KHz
- Memory Volume: 600 Proximity cards/tokens and PIN codes
- Read Range: Up to 10 cm (Depending on local installation conditions)
- Keyboard: 12 digit keypad (0~9, *, #)
- Input: Request-to-exit, door reed switch, auxiliary reader
- Relay rating: 2A MAX/30VDC, 0.4A/120VAC
- Invalid PIN Lock-out: The system will shut down for 60 seconds after the attempt to read the master or PIN cards has failed for over 5 times. (No beeper signal when pressing on the keypad)
- Relocking timer:
 - Strike Time: 1~99 seconds (adjustable)
 - Strike mode: Access Timer or Latch
- Alarm Function:
 - Door Held Open Alarm: 10~99
 - Door Forced Alarm
 - Panel Temper Alarm
- Auxiliary Reader Format: Wiegand 44 or 26-bit only format (adjustable), hexadecimal (Em 64-bit standard R/O or compatible)
- Case Material: ABS (UL94V0)
- Color: Beige White
- Operating Temperature: -20~+70°C
- Ambient Humidity: 5~95% relative humidity (non-condensing)
- Visual Signals: 3 LED display with audible Indication (Red/Yellow/Green)
- EMC: Meet CE requirement

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Optional Readers



714-60
Mifare® ID Reader

GEMPROX-E
EM 125KHz

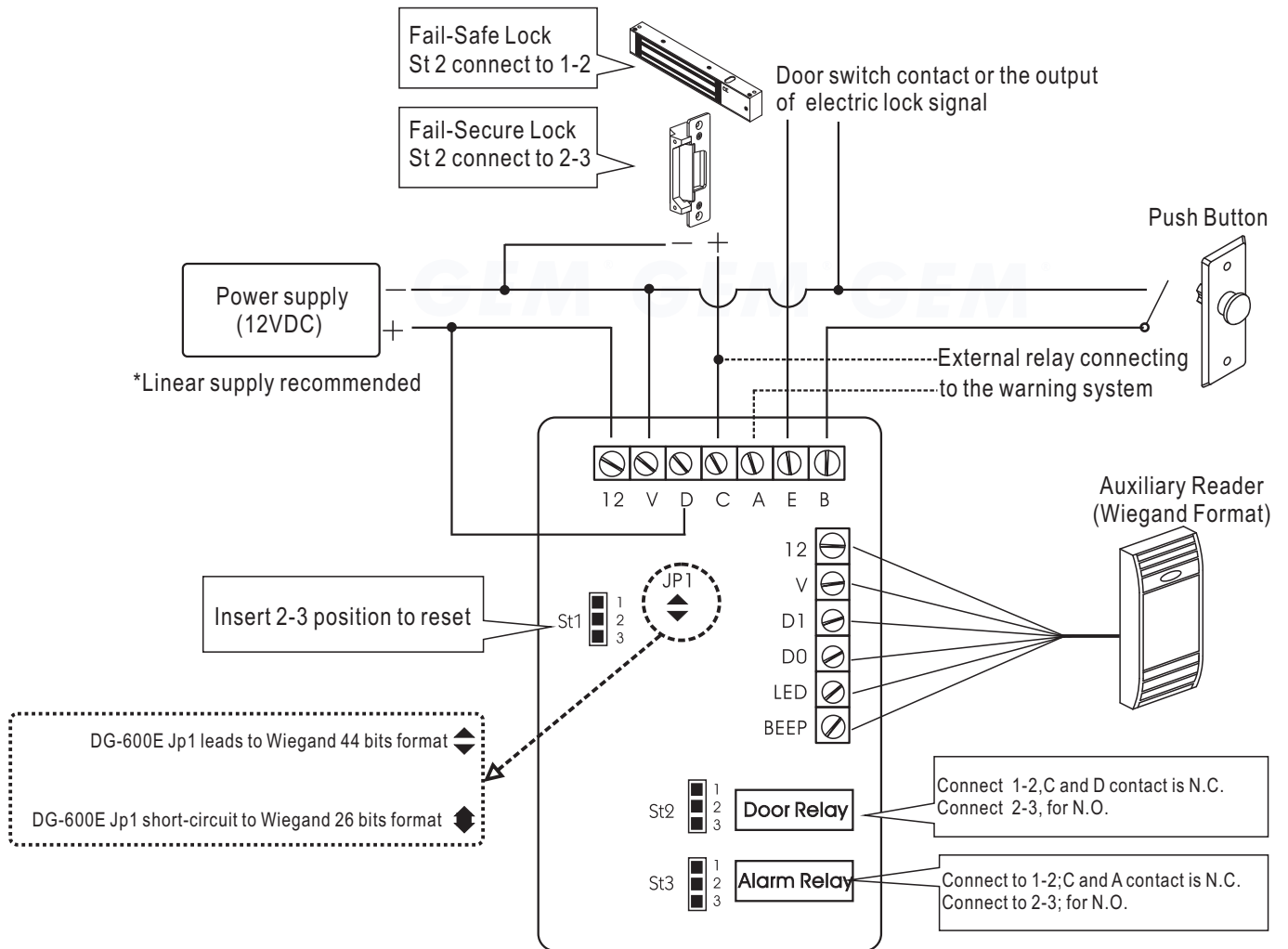
GEMPROX-26M
Mifare® ID Reader



GEMPROX-630EM-KP
EM 125KHz Keypad and proximity reader

GEMPROX-630EM
EM 125KHz

Connecting Diagram



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