



**DL13 [M] F Square**  
Dimensions: 89x89x20 mm.  
Reading distance: 8 cm.



**DK23 [M] F Square+Keypad**  
Dimensions: 89x89x26 mm.  
Reading distance: 5 cm  
Back lighted keys  
\* = Clr # = Ent



**DK26 [M] F**  
Dimensions: 133x89x26 mm.  
Reading distance: 5 cm  
Back lighted keys  
\* = Clr # = Ent

- Notes:**
- By default, readers are delivered in black. Special orders may be done in grey (G).
  - Letter 'M' stands for 13,56 Mhz Smart card reader (instead of EM 125Khz).
  - These readers may be connected only to controllers which are equipped with a second bus.

**Main features:**

- ✓ Type of cable:  
Serial interface: 2 wires shielded cable, 22 AWG., Max 1200m
- ✓ Reading Standard:
  - DL13F, DK23F, DK26F:  
Wiegand 26-Bit 125KHz EM.
  - DL13MF, DK23MF, DK26MF:  
Wiegand 26-Bit and 34-Bit 13,56 Mhz.  
ISO14443A, ISO14443B (Mifare)
- ✓ Operating Voltage Range: 5 – 16 VDC
- ✓ Reader consumption: Typical: 80mA, Max: 150mA
- ✓ Built-in audible buzzer acknowledging card reading and bicolor Led acknowledging access.
- ✓ Tamper Output: a built-in a tamper switch (Optical detection. N.C. mode) allows raising an alarm when the reader is removed from the wall or the cable is cut.
- ✓ Hidden mounting screws deters vandalism.
- ✓ The DL13 and the DK23 were designed to fit global electrical back boxes with a 60mm space between holes.
- ✓ Operating Temp. range : -30°C to 65°C .
- ✓ Operating Humidity: 0-90% (relative non-condensing) Indoor/Outdoor Design

Serial readers connection	
Cable Colour	Controller connector
Red (+V)	5v to 16V
Black (0v)	0v
Shield	Ground
Green (Hi)	Port 2/H2 (Bus 2)
White (Lo)	Port 2/Lo (Bus 2)

**Controller Dip Switches:**

**TPL:** JP4/6: on, JP4/7: off, JP4/8: off. On **TPL Rev.D1**, Set Dip switch DS2/4 to 'on'.  
**TPLDR, JET and MEGA:** DS1/6: on, DS1/7: off, DS1/8: off.

**Note on Decimal Wiegand cards:**

When using 26 bits EM decimal prox cards, set, via the PC application software, the controller to read 26 bits Wiegand decimal code.

**Serial Reader Installation within Amadeus platform:**

The reader address is per default 1. If more than 1 reader must be connected to the controller, set-up the other reader(s) address from 2 to 4 via its Configuration cards.  
 To communicate with Amadeus, command '03 0X 43' (or '03 0X 47 for DK26MF) must be sent to the controllers equipped with version from 2013.  
 (Where X is the reader No., from 1 to 4. See 'The DDS Serial Reader User Manual', doc. 07UE012 for details)

