



TRIPLO W
Criamos Segurança!

Installation Guide
User Manual

TW-EF4

Built-in touch keyboard
Autonomous, Digital Printing

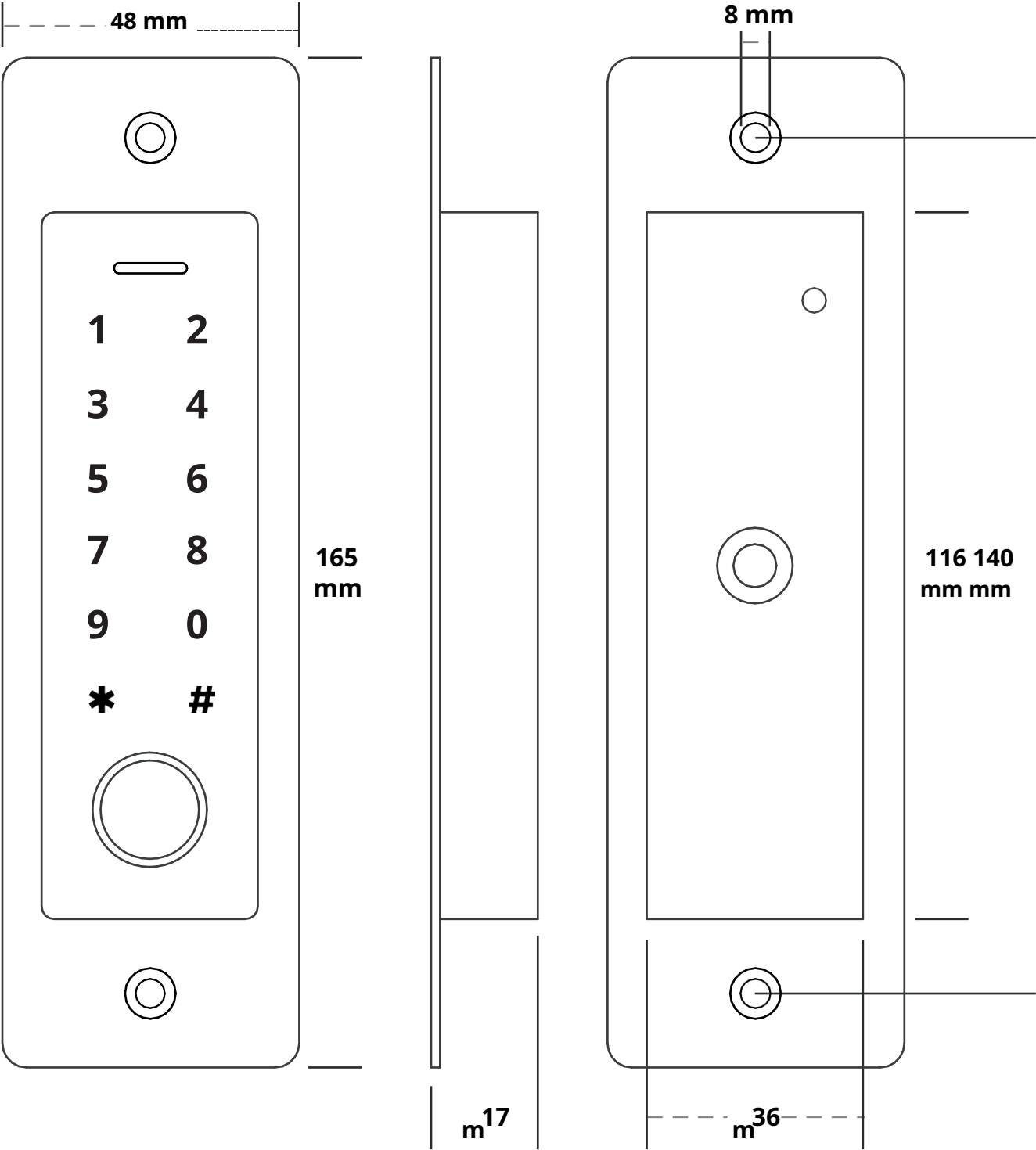


ATTENTION:

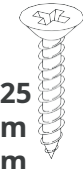
Leia o manual com atenção antes da instalação e guarde-o para uso futuro.

www.triplow.pt

Dimensions



Components

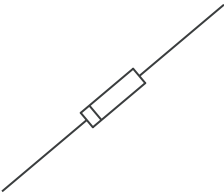


25 mm

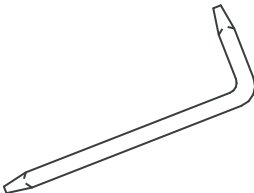
x2



x2



x1



x1



x1

To Reset to Factory Settings and Add Master Card:

Turn off the keyboard, connect the black wire to the yellow wire, and turn it back on. It will beep twice; the LED will turn green. The reset is complete. If you want to add a master card, swipe a 125Khz EM card (the LED will turn red), indicating that the operation was successful and the factory settings have been restored.

OBSERVATIONS:

- If no Master Card is added, the Exit Button must be pressed for at least 5 seconds (this step will invalidate any previously registered Master Card);

Resetting to factory settings does not delete user records.

Como meio de segurança, o teclado permite "esconder" o código correcto entre outros números, até um máximo de 10 dígitos.

Para inserir os ID's de utilizadores, não é necessário colocar 0 antes (caso a ID apenas tenha 1 ou 2 dígitos (0 ~99)

Technical Specifications

MATERIAL	Stainless steel
DIMENSIONS (mm)	165 x 48 x 17 mm
WEIGHT (KG)	0.140 kg
TYPES OF OPENING	Code, Proximity Card, Fingerprint
	Codes 4~6 digits, card reading 2~6cm
CONNECTIVITY	125KHz EM Card
VOLTAGE	12 ~ 18V DC
OPERATING CURRENT	<150mA
quiescent current	<60mA
DATA CAPACITY	1000 Users (990 frequent, 10 guest)
WORKING TEMPERATURE (°C)	- 30° ~ +60°
WORKING HUMIDITY (%)	0% ~ 98%
OPENING TIME	Default 5s, configurable from 0~99s
EXTRA CALL	Alarm, exit button, relay

FUNCTION	KEYBOARD OPERATION
<p>1. Enter and exit mode schedule</p>	<p>Enter Programming Mode:* (Master Code) # Predefined Master Code: 123456</p> <p>Exit Programming Mode:*</p>
<p>2. Change Master Code</p>	<p>Enter Programming Mode:* (Master Code) # 0 (New Master Code) # (Repeat New Master Code) # Code Length: 6 digits</p> <p>Exit Programming Mode:*</p>
<p>3. Set Mode Operating</p> <p><i>Program Mode:*</i> (Master Code) #</p>	<p><i>Standalone / Access Control -factory definition</i> 7 7 # *</p>
<p>4. Add Digital Printing Users</p> <p><i>Frequently asked questions</i> <i>available - 0 ~ 98</i> <i>Administrator ID available - 99</i></p> <p><i>Program Mode:*</i> (Master Code) #</p>	<p><i>Automatic User ID (the system assigns the next available ID number)</i> Impressions can be added continuously 1 (Read Fingerprint) (Repeat Read Fingerprint) (Repeat Read Fingerprint) # *</p> <p><i>Specific User ID (allows the Administrator to associate with a specific ID)</i> Impressions can be added continuously 1 (Read Fingerprint) (Repeat Read Fingerprint) (Repeat Read Fingerprint) # *</p> <p><i>Administrator ID - 99 (the system assigned the fingerprint to ID 99)</i> 1 (99) (Read Fingerprint) (Repeat Read Fingerprint) (Repeat Read Fingerprint) # *</p>
<p>5. Card To add Users</p> <p><i>Frequently asked questions</i> <i>available - 100 - 989</i></p> <p><i>Program Mode:*</i> (Master Code) #</p>	<p><i>Automatic User ID (the system assigns the next available ID number to the card)</i> Cards can be added continuously 1 (Read Card) # *OR1 (8/10 Digit Card) # *</p> <p><i>Specific User ID (allows the Administrator to associate the card with a specific ID)</i> 1 (User ID) # (Read Card) # *OR1 (User ID) # (8/10 Digit Card) # *</p>
<p>6. Code To add Users</p> <p><i>Frequently asked questions</i> <i>available - 0 - 989</i> Code Length: 4 - 6 digits (except 8888)</p> <p><i>Program Mode:*</i> (Master Code) #</p>	<p><i>Add by Block (allows the Administrator to add up to 890 cards in a single step - approximately 2 minutes to program)</i> The cards must be consecutive. The (Number of Cards) to be entered is the number of cards that will be added. 1 (User ID) # (Number of Cards) # (8/10 Digits First Card to be Added) # *</p> <p><i>Automatic User ID (the system assigns the code the next available ID number)</i> Codes can be added continuously 1 (Code) # *</p> <p><i>Specific User ID (allows the Administrator to associate the code with a specific ID)</i> 1 (User ID) # (Code) # *</p>
<p>As a security measure, the keypad allows you to "hide" the correct code among other numbers, up to a maximum of 10 digits</p>	

FUNCTION	KEYBOARD OPERATION
<p>7. Add Visitors</p> <p><i>Guest Users</i></p> <p><i>Available IDs - 990 - 999</i></p> <p>Code Length: 4 - 6 digits (except 8888)</p> <p><i>Program Mode:*</i> (Master Code) #</p>	<p>You <i>Guest Users</i> have a limited number of accesses, defined by the Administrator; when the limit is reached, the Code/Card automatically becomes invalid)</p> <p>(0-9)-number of accesses allowed. Limit = 10 times, 0 = Single Access</p> <p><i>Add Visitor Card</i></p> <p>1 (User ID) # (0-9) # (Read Card) # *OR1 (User ID) # (0-9) # (8/10 Digit Card) # *</p> <p><i>Add Visitor Code</i></p> <p>1 (User ID) # (0-9) # (Code) # *</p> <p>* (User ID) # (Old Code) # (New Code) # (Repeat New Code) #</p> <p><i>Change Card Code + Access Code</i></p> <p>* (Read Card) (Old Code) # (New Code) # (Repeat New Code) #</p> <p><i>By Fingerprint</i></p> <p>2 (Read Fingerprint) # *</p> <p><i>By Card / Code</i> -Users can be deleted continuously</p> <p>2 (Read Card) # *OR2 (User Code) # *</p> <p><i>By User ID</i></p> <p>2 (User ID) # *</p> <p><i>By Card</i></p> <p>2 (8/10 Digit Card) # *</p> <p><i>All Users except Administrator</i></p> <p>2 (Master Code) # *</p> <p><i>Timed Auto-Lock - factory default 5s, programmable from 1~99s</i></p> <p>3 (1 ~ 99) # *</p> <p><i>Enable/Disable Toggle Mode</i></p> <p>allows access indefinitely until a valid access is entered (e.g. read card: door opens and remains open until the card is swiped again)</p> <p>3 0 # *</p> <p>For Multi-user Access Mode, the time interval between each reading cannot exceed 5 seconds, otherwise the device will automatically enter standby.</p> <p><i>Access 2 Fingerprints</i></p> <p>4 0 # *</p> <p><i>Access 2 Cards</i></p> <p>4 1 # *</p> <p><i>Access 2 Codes</i></p> <p>4 2 # *</p> <p><i>Access 2 Cards + Code</i></p> <p>4 3 # *</p> <p><i>Multi-user Access</i> -set the number of users between 2~9. The door will only open after that number of users has been reached.</p> <p>4 3 (2~9) # *</p> <p><i>Access Fingerprints OR Cards OR Code(factory setting)</i></p> <p>4 4 # *</p>
<p>8. Change Code</p> <p><i>No need for enter programming mode</i></p> <p>Code Length: 4 - 6 digits (except 8888)</p>	
<p>9. Delete User</p> <p><i>Program Mode:*</i> (Master Code) #</p>	
<p>10. Settings</p> <p>RelayTimer</p> <p>/ Alternate Mode</p> <p><i>Enable / Disable</i></p> <p><i>Program Mode:*</i> (Master Code) #</p>	
<p>11. Set Access Mode</p> <p><i>Multi-user Access Mode</i></p> <p><i>Program Mode:*</i> (Master Code) #</p>	

FUNCTION	KEYBOARD OPERATION
	The Alarm will be activated after 10 failed access attempts; programmable to deny access for the next 10 minutes OR programmable to only grant access after insertion/reading of a valid user code/card or a Master code/card.
12. Alarm	
<i>Program Mode:*</i> (Master Code) #	<p><i>Alarm OFF</i>-factory definition 6 0 # *</p> <p><i>Alarm ON</i>-access denied for 10 minutes, exit button works normally 6 1 # *</p> <p><i>Alarm ON with activation timer</i>-default time of 1 minute, configurable 0 - 3 minutes. Fingerprint / Code / Master Card or Code / Card of a valid user is required to turn off the alarm 6 2 # 5 (0~3) # *</p> <p><i>Mute Sound</i> 7 0 # *</p> <p><i>Activate Sound</i>-factory default 7 0 # *</p> <p><i>LED Always Off</i> 7 2 # *</p> <p><i>LED Always On</i>-factory default 7 3 # *</p> <p><i>Keyboard Light Always Off</i> 7 4 # *</p> <p><i>Keyboard Light Always On</i>-factory default 7 5 # *</p> <p><i>Keyboard Light with Timer</i>-factory default, turns off after 20 seconds 7 6 # *</p>
13. Sound and Lights Keyboard	
Prog. Mode: * (Master Code) #	
14. Mode of Card Harvest	
Prog. Mode: * (Master Code) #	<p>If enabled, allows any card read to open the door while the information for that card is saved on the device as a valid user.</p> <p><i>Harvest Mode OFF</i> -factory definition 9 2 #</p> <p><i>Harvest Mode ON</i> 9 3 #</p>

Use Card/Master Fingerprint to add and delete users

To add

Eliminate

- Read Card / Master Fingerprint
- Read Fingerprint 3 times / Enter Code / Swipe Card (repeat step for more users)
- Read Card/Master Fingerprint againand
- Read Card/Master Fingerprint twice in a row, in a 5 second interval
- Read Fingerprint 3 times / Enter Code / Swipe Card (repeat step for more users)
- Read Card/Master Fingerprint againand

FUNCTION	KEYBOARD OPERATION
Enter and exit Mode Schedule	Enter Programming Mode:* (Master Code) # Predefined Master Code: 123456 Exit Programming Mode:*
Change Master Code	0 (New Master Code) # (Repeat New Master Code) # Code Length: 6 digits
Add Card	1 (Read Card) # * You can add cards continuously.
Add Print Digital	1 (Read Fingerprint) (Repeat Read Fingerprint) (Repeat Read Fingerprint) # *
Add Code	1 (Code) # * Code Length: 4~6 digits, except 8888
Delete User	2 (Read Card) # * 2 (Read Print Digital) 2 (Code) # *

Electrical Connections

COLOR	FUNCTION	DESCRIPTION
Red	DC+	Power Input 12-18V DC, Regulated
Black	GND	Ground Connection
Blue	NODE	Normally Open Relay Output
Brown	WITH	Relay Output Common Connection
Gray	NC	Normally Closed Relay Output
Yellow	OPEN	Exit Button
Green	D0	Wiegand Input / Data Output 0
White	D1	Wiegand Input / Data Output 1

Indicators - Light and Sound

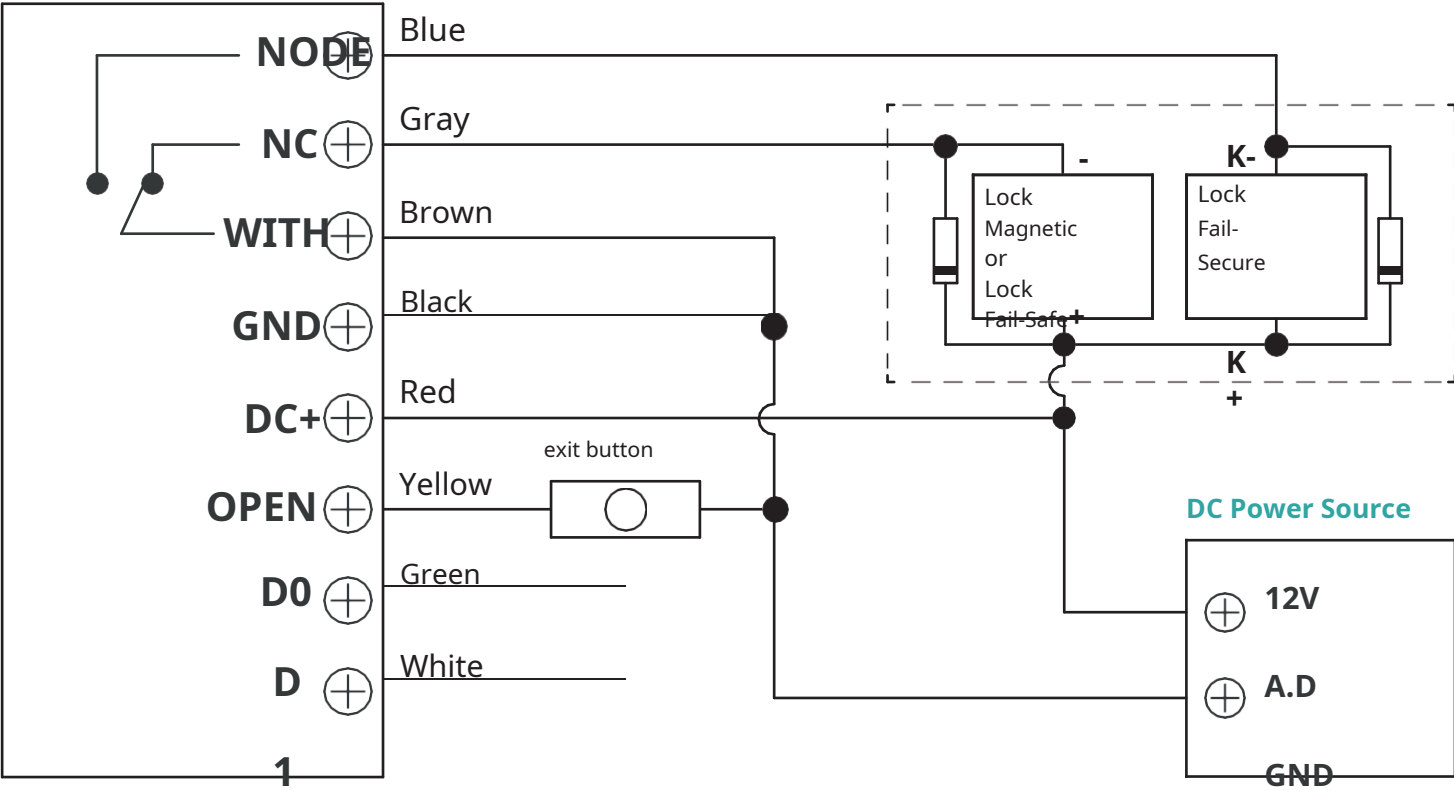
FUNCTION	LED COLOR	SOUND
Stanby	Red	-
Enter Programming Mode In Programming Mode	Red, flashing	1 Beep
Operation Error	Orange	1 Beep
Exit Programming Mode	-	3 Beeps
Opening	Red	1 Beep
Alarm	Green	1 Beep
	Red, flashing repeatedly	Repeated Beeps

To use a common power supply, it is necessary to insert a 1N4004 diode or equivalent, otherwise the control of accesses may suffer damages.

The 1N4004 diode is included in the product package.



Common Power Source



Access Control Power Source

