

# auta



**RED**  
NETWORK



REF: 721158

**ES** LECTOR BIOMÉTRICO + PROXIMIDAD

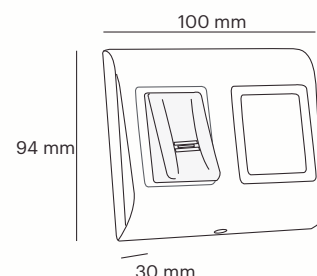
**EN** BIOMETRIC + PROXIMITY READER

# auta

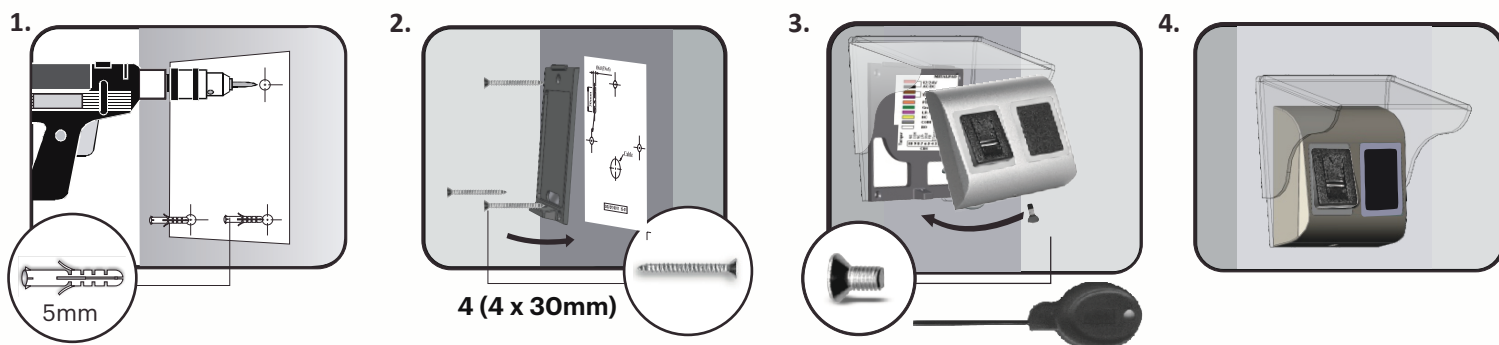
Bringing people together

## Especificaciones

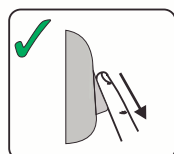
|                                        |                                                               |                                         |                                   |
|----------------------------------------|---------------------------------------------------------------|-----------------------------------------|-----------------------------------|
| <b>Capacidad de huellas dactilares</b> | hasta 100 huellas dactilares                                  | <b>Detección de manipulación:</b>       | Si                                |
| <b>Tecnología</b>                      | Biometría y proximidad EM (125 KHz);                          | <b>Consumo</b>                          | 150 mA                            |
| <b>Uso</b>                             | exterior                                                      | <b>Clasificación IP</b>                 | IP65                              |
| <b>Autenticación</b>                   | Dedo, tarjeta, dedo y_o tarjeta                               | <b>Alimentación</b>                     | 9-14 Vcc                          |
| <b>Huellas dactilares por usuario</b>  | 1-10 huellas dactilares                                       | <b>Temperatura de funcionamiento</b>    | -20°C a +50°C, sin condensación   |
| <b>Tipo de lectura de proximidad</b>   | EM 4002_4100 (125kHz)                                         | <b>Dimensiones (mm)</b>                 | 100 x 94 x 30                     |
| <b>Distancia de lectura</b>            | de 2 a 5 cm                                                   | <b>Carcasa</b>                          | Aluminio moldeado                 |
| <b>Interfaz</b>                        | Wiegand 8 a 128 bits; Defecto: Wiegand de 26 bits             | <b>Humedad Operativa_Almacenamiento</b> | HR del 5% al 93% sin condensación |
| <b>Programación del protocolo</b>      | Por software                                                  |                                         |                                   |
| <b>Distancia del cable</b>             | 50m                                                           |                                         |                                   |
| <b>Tipo de sensor biométrico</b>       | capacitivo de pasada                                          |                                         |                                   |
| <b>Tiempo de identificación 1:1000</b> | 970 mseg, incluido el tiempo de extracción de características |                                         |                                   |
| <b>Registro de huellas dactilares</b>  | Sobre el lector o desde el lector de escritorio USB           |                                         |                                   |
| <b>Conexión del panel:</b>             | Cable, 1 m                                                    |                                         |                                   |
| <b>LED verde y rojo</b>                | Controlado externamente                                       |                                         |                                   |
| <b>LED naranja</b>                     | Modo inactivo                                                 |                                         |                                   |
| <b>Encendido_Apagado del timbre</b>    | Si                                                            |                                         |                                   |
| <b>Retro-iluminado ON_OFF</b>          | Si                                                            |                                         |                                   |



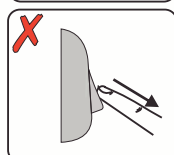
## Montaje



## Técnica de deslizamiento recomendada



Siga las instrucciones siguientes para realizar un deslizamiento de dedo correcto. A partir de la primera articulación del dedo, se debe colocar el dedo seleccionado en el sensor de deslizamiento y desplazarlo uniformemente hacia uno mismo en un movimiento continuo.



Resultado:

Deslizamiento válido: LED de estado tricolor se muestra de color verde + Pitido de conformidad (pitido corto + largo)

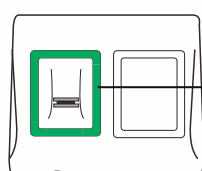
Deslizamiento no válido o leído erróneamente: LED de estado tricolor se muestra de color rojo + Pitido de error (3 pitidos cortos)



x 6

Las huellas se enrolan en el sistema deslizando el dedo un mínimo de 6 veces.

## Indicación

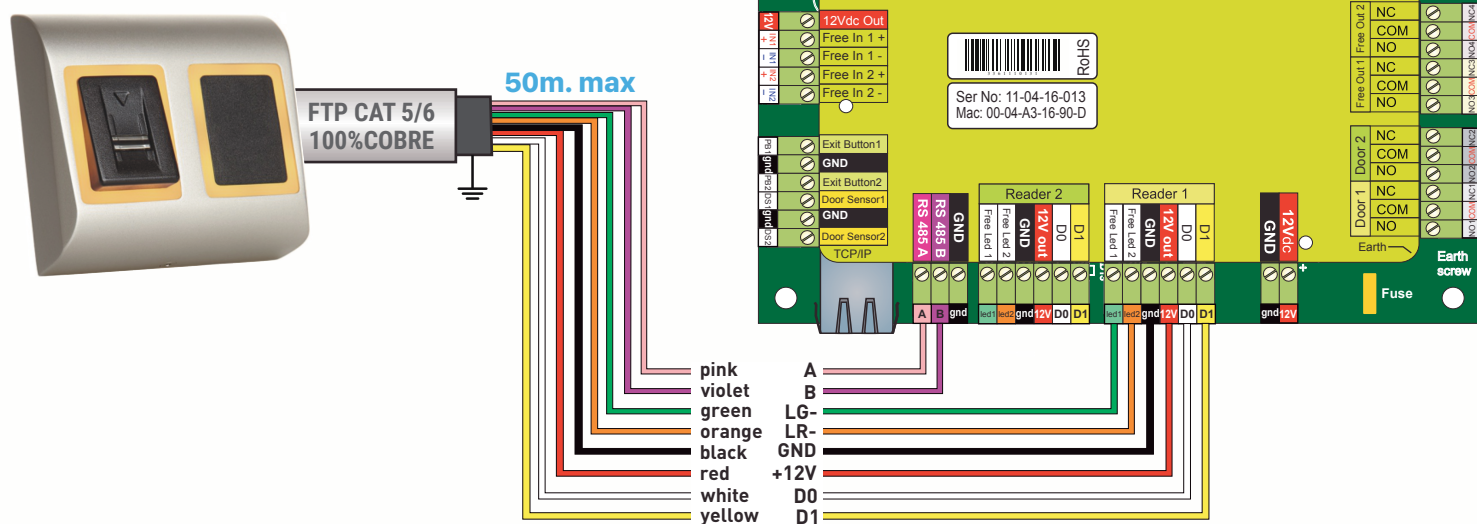
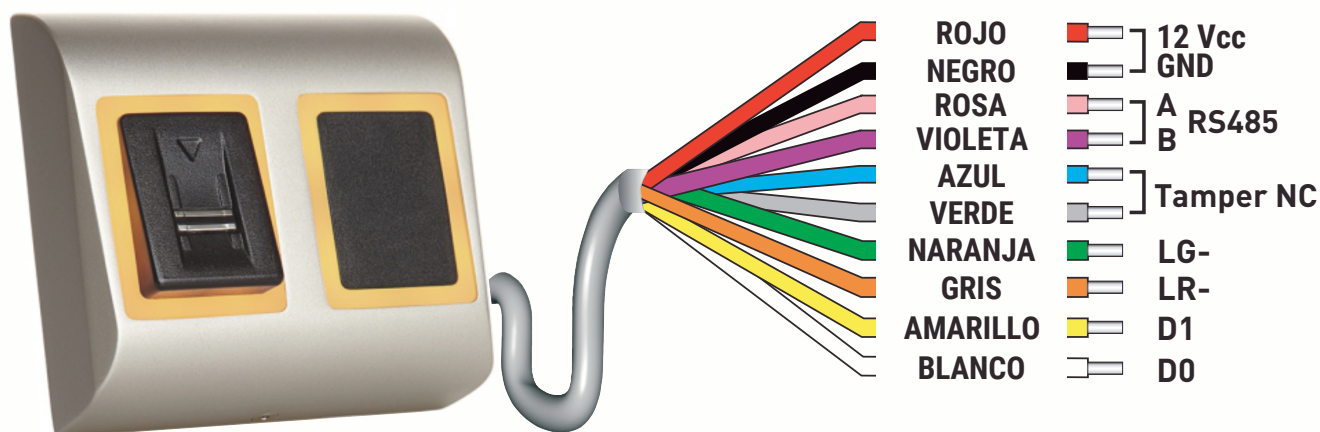


**Verde** - Acceso concedido  
**Rojo** - Acceso denegado  
**Naranja** - Modo inactivo

**Pitido de conformidad** - pitido corto + largo  
**Pitido de error** - 3 pitidos cortos  
Deslizamiento de dedo - 2 pitidos cortos

## Cableado

ES



## Selección de la tecnología de proximidad (Interruptor A)

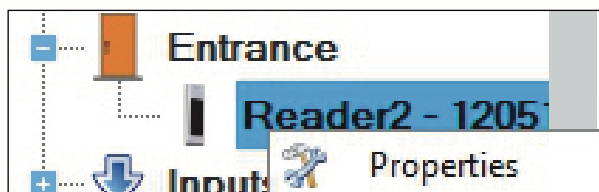


OFF (EM) (Auta)

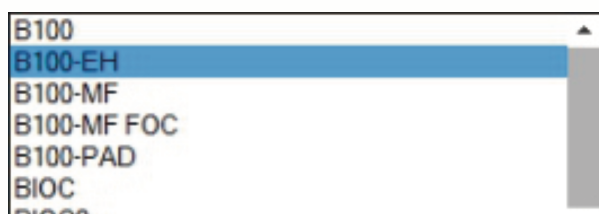


ON (HID)

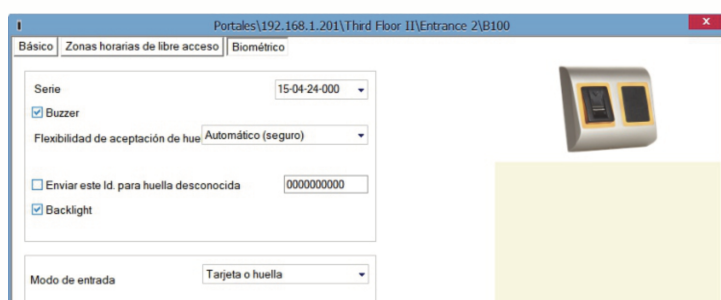
## Conectar el teclado a la central de control



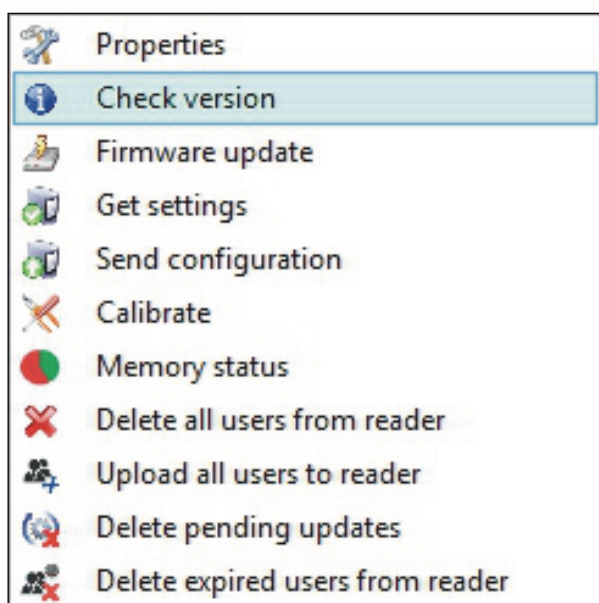
Botón DERECHO sobre el lector en el cual se ha cableado físicamente el lector



Como tipo de lector seleccionamos **B100-EH**



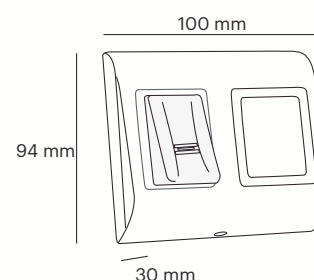
En la pestaña BIOMETRÍA introducimos el número de serie del lector (ver *INTERIOR tapa trasera*) y el modo de entrada



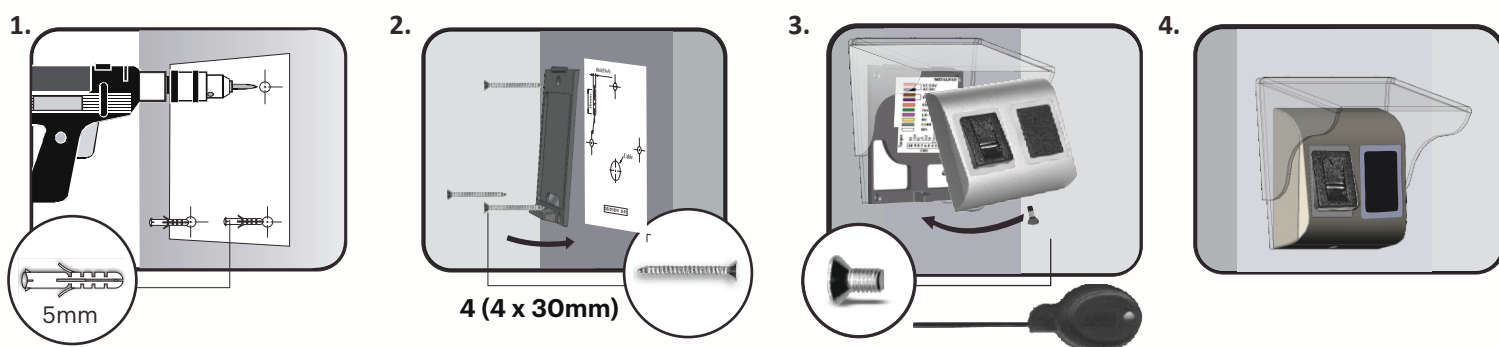
Botón DERECHO sobre el lector ya configurado y comprobamos su versión de firmware.  
Actualizaremos si es necesario (FIRMWARE en carpeta de instalación)

## Specifications

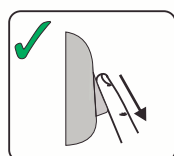
|                                   |                                               |                                   |                                   |
|-----------------------------------|-----------------------------------------------|-----------------------------------|-----------------------------------|
| <b>Technology</b>                 | Biometry and Proximity (125 Khz, EM)          | <b>Backlight ON_OFF</b>           | Yes, by software settings         |
| <b>Use</b>                        | Outdoors                                      | <b>Tamper</b>                     | Yes                               |
| <b>Authentication</b>             | Finger, Card, Finger or_and Card              | <b>Consumption</b>                | Max. 150mA                        |
| <b>Fingerprints per user</b>      | 1-10 fingerprints                             | <b>IP Rating</b>                  | IP65                              |
| <b>Proximity reading type</b>     | EM 4002_4100                                  | <b>Power supply</b>               | 9-14 Vdc                          |
| <b>Reading distance</b>           | 2 to 5cm                                      | <b>Operating Temperature</b>      | -20°C to +50°C, non-condensing    |
| <b>Interface</b>                  | Wiegand 8 to 128 bits; Default: Wiegand 26bit | <b>Dimensions (mm)</b>            | 100 x 94 x 30                     |
| <b>Protocol programming</b>       | By software                                   | <b>Housing</b>                    | Moulded Aluminium                 |
| <b>Cable distance</b>             | 50m                                           | <b>Storage/Operating Humidity</b> | 5% to 93% RH without condensation |
| <b>Fingerprint Sensor Type</b>    | Swipe Capacitive                              |                                   |                                   |
| <b>1:1000 identification time</b> | 970 msec, including feature extraction time   |                                   |                                   |
| <b>Fingerprint enrolment</b>      | On the reader or from the USB desktop reader  |                                   |                                   |
| <b>Panel Connection</b>           | Cable, 1m                                     |                                   |                                   |
| <b>Green and Red LED</b>          | Externally Controlled                         |                                   |                                   |
| <b>Orange LED</b>                 | Idle mode                                     |                                   |                                   |
| <b>Buzzer ON_OFF</b>              | Yes                                           |                                   |                                   |



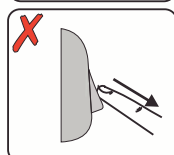
## Mounting



## Recommended swipe technique



Follow the below instructions for correct finger swiping. Starting from the first finger joint, place the selected finger on the swipe sensor and move it evenly towards oneself in one steady movement.



Result:

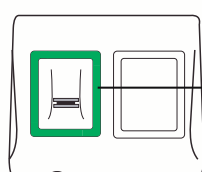
For a valid swipe: Tricolour Status LED turns green + OK Beep(short + long beep)

For an invalid or misread swipe: Tricolour Status LED turns red + Error Beep ( 3 short beeps)



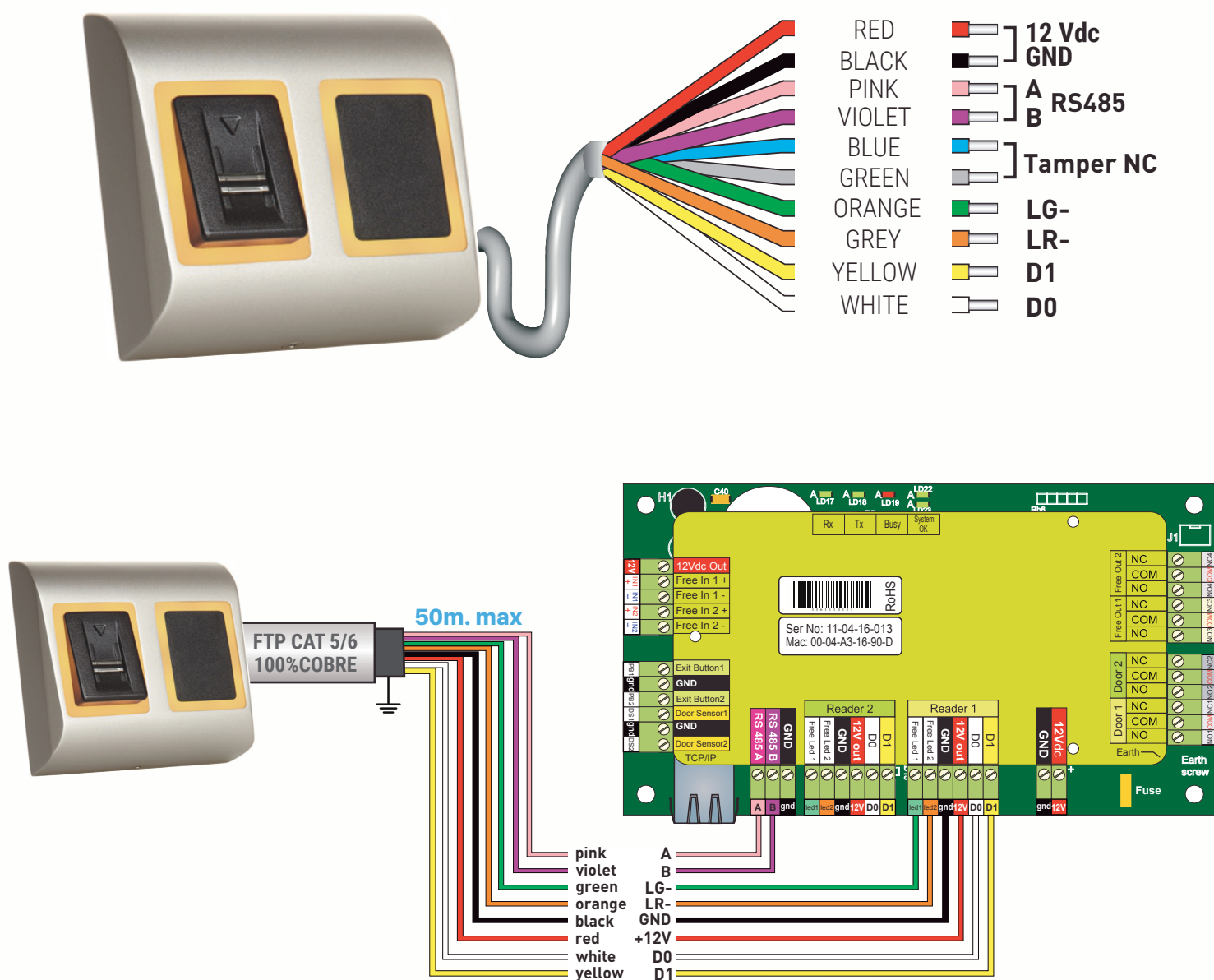
The fingerprints are enrolled in the system by swiping the finger a minimum of 6 times.

## Indication



**Green** - Access granted  
**Red** - Access denied  
**Orange** - Idle mode

**OK beep** - short + long beep  
**ERROR beep** - 3 short beeps  
Swipe finger - 2 short beeps



### Proximity technology selection (Switch A)



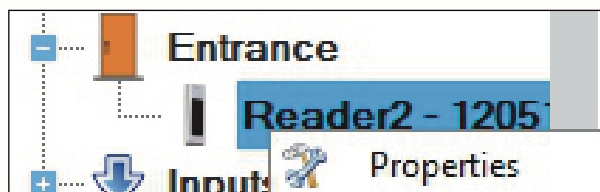
## OFF (EM) (Auto)



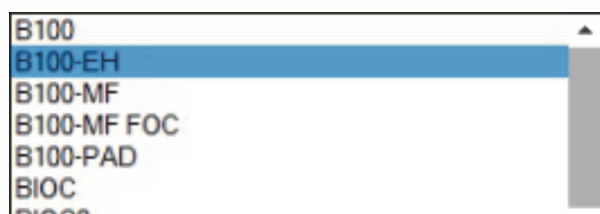
## ON (HID)



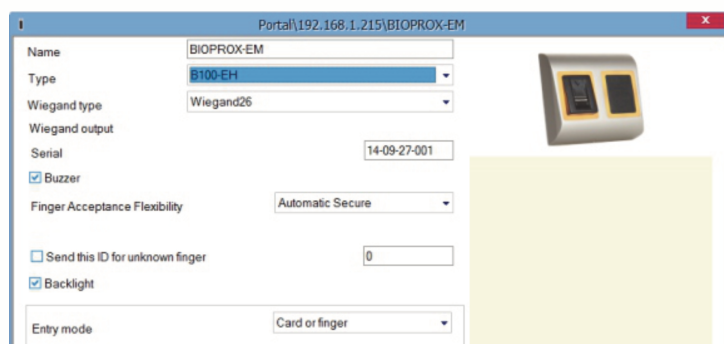
## Connect the reader to the control unit



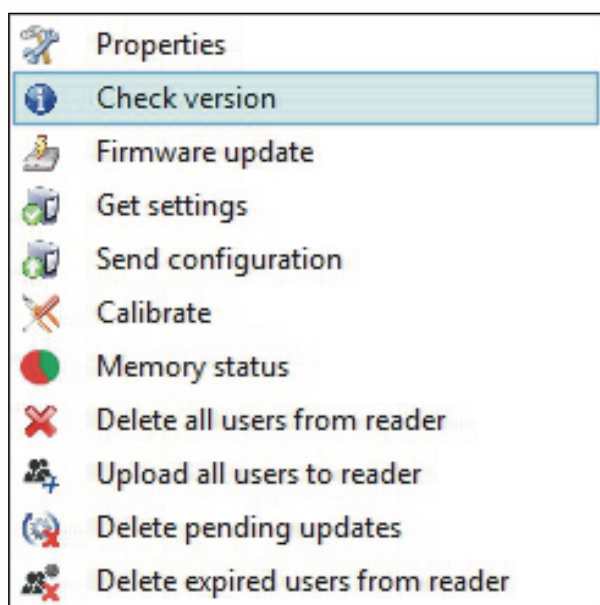
RIGHT button on the reader  
in which he has physically wired



As a type of reader  
we selected **B100-EH**



In the BIOMETRY tab  
we enter the serial number of  
the reader  
(see INTERIOR back cover)  
and the Entry mode



RIGHT button on the reader  
already configured and we check  
the firmware version  
We will update it if necessary  
(FIRMWARE file at installation folder)

