

# PROGRAMMABLE INCREMENTAL IXARC MAGNETIC ROTARY ENCODER

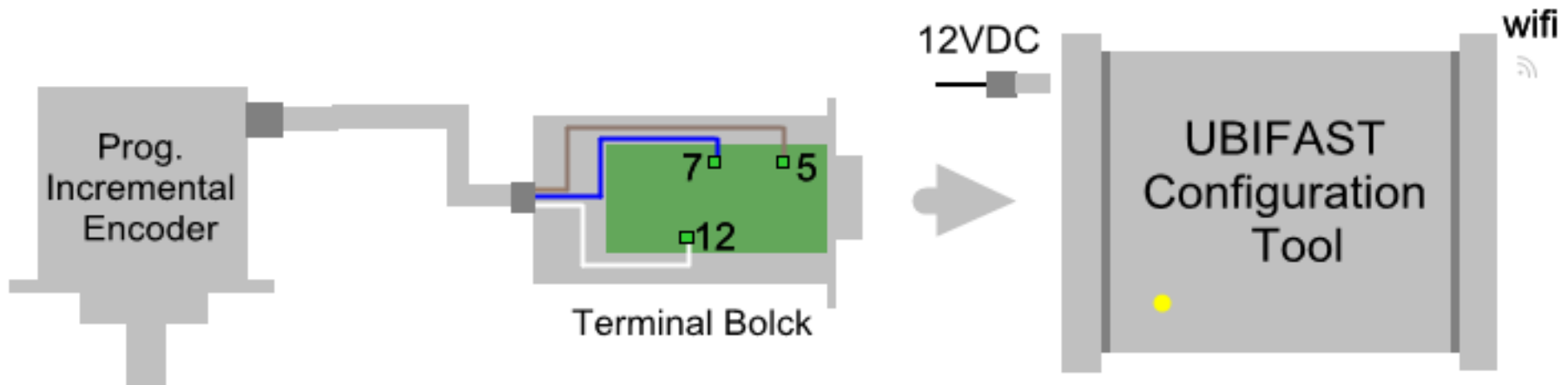


> Sample: UCD-IPH00-1024-02MA-CRW

## > Chapter1 Programming

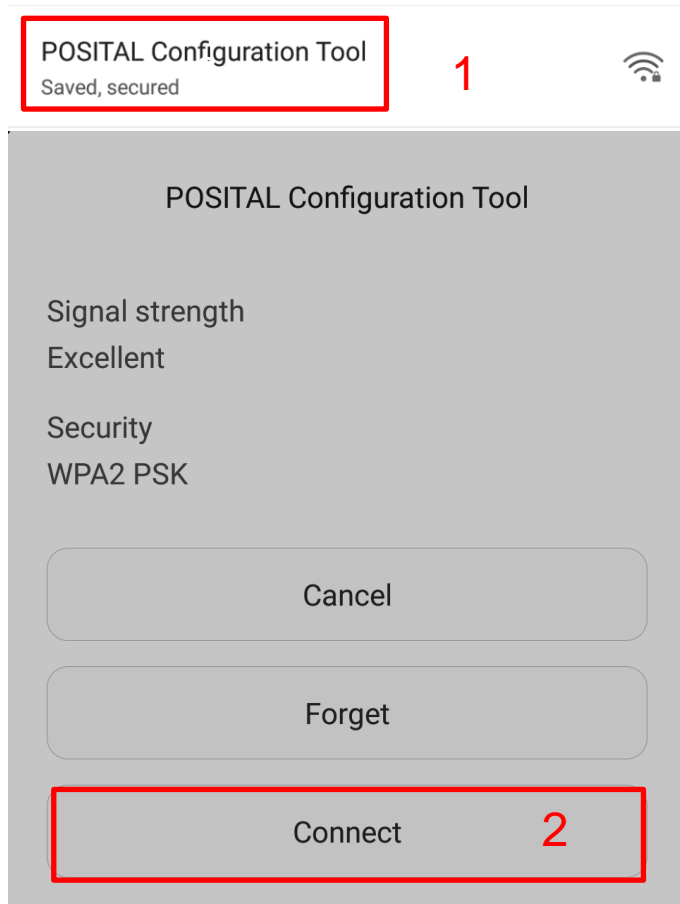
### > Step1 Connections

- > Connect the Incremental encoder to the terminal block.  
The brown pin to terminal 5, Sensor Power Supply (12VDC).  
The blue pin to terminal 7, Signal Z.  
The white pin to terminal 12, Sensor Ground (GND).
- > Plug the terminal block into the UBIFAST box.
- > Power on the UBIFAST Configuration Tool.



## > Step2 Configurations

- > Take out your mobile device, Connect to 'POSITAL Configuration Tool' Wi-Fi option. Password: ubifast14



- > Go to 'fraba.ubifast' in browser.



> Configure as shown below. Configuration completed after these steps.

**POSITAL**  
FRABA

INCREMENTAL PARAMETERS  
SN: 912195

1 **Pulses Per Revolution**  
1024  
min. 1 max. 16384

2 **Incremental Pulse Direction**  
A before B

3 **Incremental Output Driver**  
Push-Pull (HTL)

< Back 4 **Next** >

> Type in 1~16384

B before A

A before B

RS422 (TTL)

Push-Pull (HTL)

**POSITAL**  
FRABA

SUMMARY  
SN: 912195

Incremental Parameters

Pulses Per Revolution:	1024
Incremental Pulse Direction :	A before B
Incremental Output Driver:	Push-Pull (HTL)

< Back **Configure** > 5

## > Chapter 2 Monitoring Output

- > Power the Incremental Encoder and connect its output pin, signal A & signal B, to the counter.
- > Power the Pulse Counter and set the Count Mode at UP/DOWN.
- > The Incremental Encoder outputs pulses according to the resolution set before with the UBIFAST.
- > The measurement direction can also be set before with UBIFAST.

