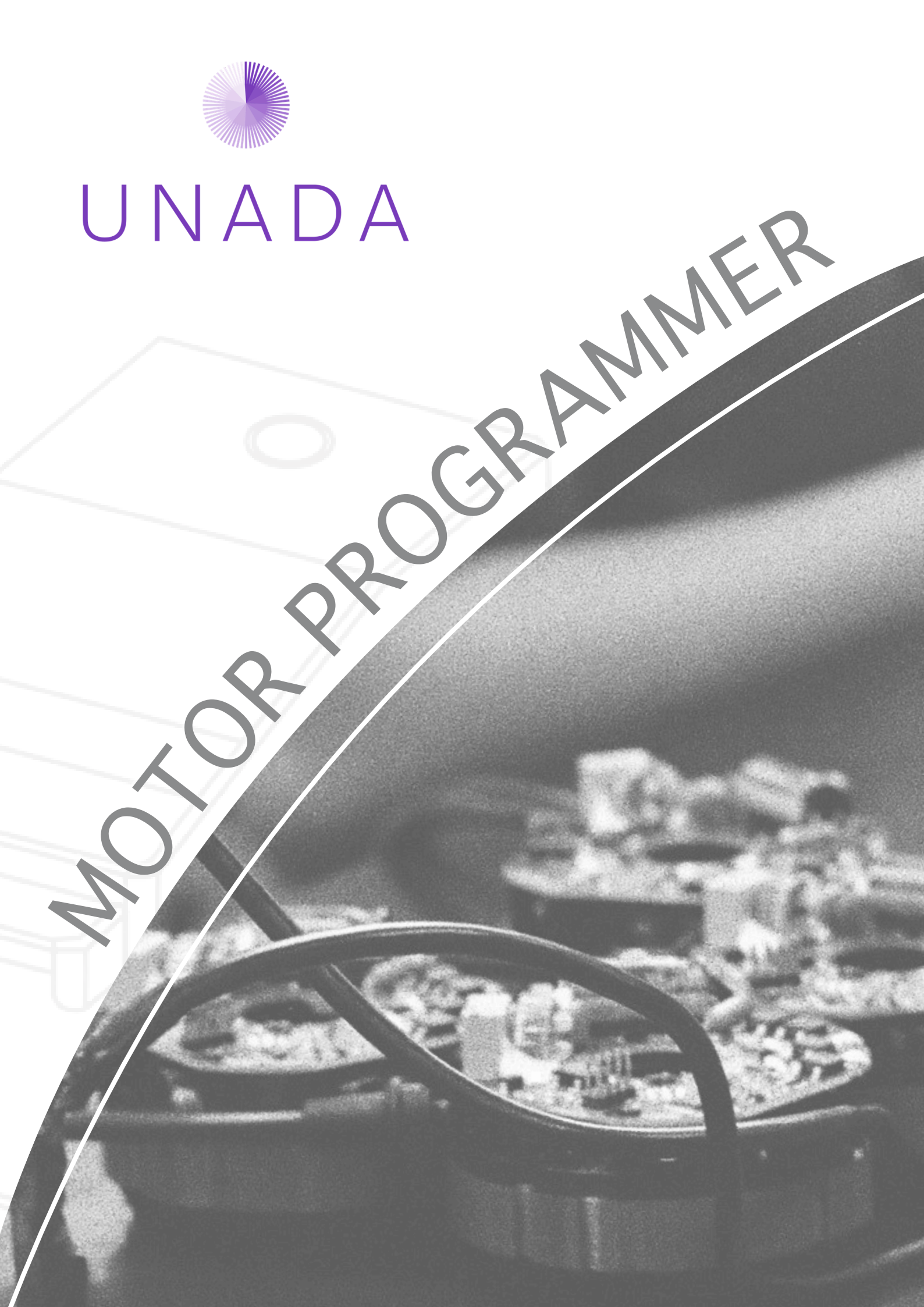
UNADA

MOTOR PROGRAMMER



UNADA

SAFETY INFORMATION & WARNING

The device may only be transported, unpacked, installed, operated, maintained and otherwise used by qualified, trained and authorised technical staff.

Only authorised specialists are permitted to install the device, to carry-out a test run and to perform work on the electrical installation.



DANGER

Electrically Charged Device

Risk of electric shock

- When working on an electrically charged device, stand on a rubber mat.



WARNING

Live terminals and connections even with device switched off

Electric shock

- Wait five minute after disconnecting the voltage at all poles before opening the device.



DANGER

Rotating Device

Risk of injury to body parts coming into contact with the rotor or the impeller.

- Secure the device against accidental contact.
- Before working on the system/machine, wait untill all parts have come to standstill.



WARNING

Rotating Device

Long hair and dangling items of clothing, jewelry and the like can become entangled and be pulled into the device. injuries can result

- Do not wear any loose-fitting or dangling clothing or jewelry while working on rotating parts.
- Protect long hair with a cap.

SOFTWARE		CABLE CONFIGURATION	
		2-WIRE MANUAL: PAGE 6	**3/4-WIRE**
MODEL	UC FLY **FM115**	DOWNLOAD	-
	UC MAX / UC miniMAX **FM127**	DOWNLOAD	DOWNLOAD MANUAL: PAGE 7
	OTHERS **FM103** **FM124** **FM303**	DOWNLOAD	DOWNLOAD MANUAL: PAGE 8

INTERFACE		CABLE CONFIGURATION	
		2-WIRE	**3/4-WIRE**
MODEL	UC MAX / UC miniMAX **FM127**	PINK BOX	FIELD PROGRAMMER /PINK BOX
	UC 39 / UC 1 **FM303**	-	PINK BOX
	OTHERS **FM103** **FM115** **FM124**	PINK BOX	FIELD PROGRAMMER /PINK BOX

PC Requirements

Any Intel or AMD PC running Windows 7, 10, or 11 should be able to run the software.
Computers based around ARM chips are not compatible (e.g. Qualcomm ARM laptops)

UNADA
PINK BOX



ROBUST OEM PROGRAMMERS

- Sturdy connector;
- Suitable for mass programming;
- Safe extra-low voltage (ELV);
- Optional: Custom software with OEM SKU selection.

INSTALLATION

Installing the Unada motor configuration software is a 3 step process.

Warning : Do not connect a motor to the programming box until all steps completed. In the event any step is unsuccessful please see fault finding guide at the bottom of this page.

Step 1 - Installing interface box drivers (First usage only)

Power up (AC) and plug in (USB) the programming box to a Windows PC;

Allow Windows to automatically search for and install driver. This can take a few minutes.

Step 2 - Installing the Software

Install the suitable motor configuration software. See page 2.

Step 3 - Running the Software

1. Execute the configuration Software
2. You can now connect a Unada motor to the programming interface box. See table:

INTERFACE OUTPUT	**2-WIRE MOTOR** (USUAL CABLE COLOUR)	**3/4-WIRE MOTOR** (USUAL WIRE COLOUR)
BROWN	**PHASE** (BROWN)	**PHASE** (BROWN)
BLACK		**CONTROL** (BLACK)
GREEN		
BLUE	**NEUTRAL** (BLUE)	**NEUTRAL** (BLUE)

TROUBLESHOOTING

Interface Box Drivers

In the event that the driver does not install automatically it is possible to install it manually

Click the link https://ftdichip.com/drivers/vcp-drivers/

Choose “setup executable” from the comments column, which will pick the correct driver for your version of windows and follow the download and install prompts.

Running the Software

If an error messege appears when opening the config. software, Close the motor config. dialogue box.

Check the interface box is connected correctly both USB and power pack. Re-run config. software.

ADDITIONAL INFORMATION

Two or more motors

The Pink Box has the potential to program two or more motors simultaneously, only in 2-wire configuration. It is the user responsibility to establish the quantity of motors that can be programmed based on their loom length, setup and EMI. Custom-made "motor programming stations" tend to be more effective than programming multiple motors installed in a system.

UNADA
FIELD PROGRAMMER



POCKET PROGRAMMERS

- Lightweight and compact interface;
- Suitable for laboratory and field programming;
- Safe extra-low voltage (ELV).

INSTALLATION

Installing the Unada motor configuration software is a 3 step process.

Warning : Do not connect a motor to the programming box until all steps completed. In the event any step is unsuccessful please see fault finding guide at the bottom of this page.

Step 1 - Installing interface box drivers (First usage only)

Power up (AC) and plug in (USB) the programming box to a Windows PC;
Allow Windows to automatically search for and install driver. This can take a few minutes.

Step 2 - Installing the Software

Install the suitable motor configuration software. See page 2.

Step 3 - Running the Software

1. Execute the configuration Software
2. You can now connect a Unada motor to the programming interface box. See table:

INTERFACE OUTPUT	2-WIRE MOTOR (USUAL CABLE COLOURS)	3-WIRE MOTOR (USUAL CABLE COLOURS)
BROWN	NEUTRAL (BLUE) ⚠	PHASE (BROWN)
BLACK		CONTROL (BLACK)
BLUE	PHASE (BROWN) ⚠	NEUTRAL (BLUE)

TROUBLESHOOTING

Interface Box Drivers

In the event that the driver does not install automatically it is possible to install it manually
Click the link https://ftdichip.com/drivers/vcp-drivers/
Choose “setup executable” from the comments column, which will pick the correct driver for your version of windows and follow the download and install prompts.

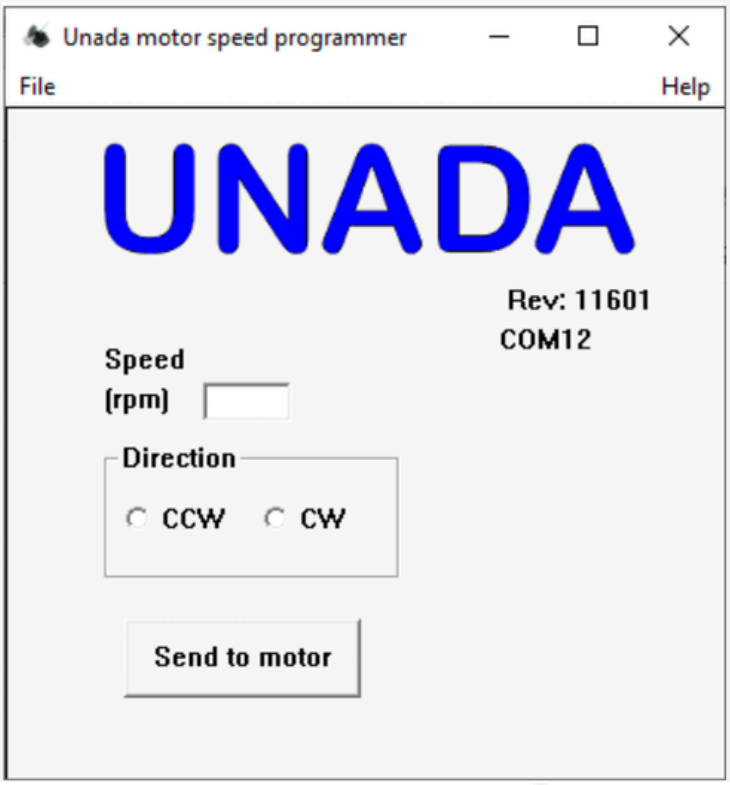
Running the Software

If an error messege appears when opening the config. software, Close the motor config. dialogue box.
Check the interface box is connected correctly both USB and power pack. Re-run config. software.

ADDITIONAL INFORMATION

USB POWER

Depending on the PC used, the Field Programmer is capable of operating without the power adapter, for a more convenient carry.



1-3. Follow steps from page 3 or 4;

4. When the motor wires are connected and communication has been successfully established, the motor should stop spinning completely;

5. Enter the new settings;

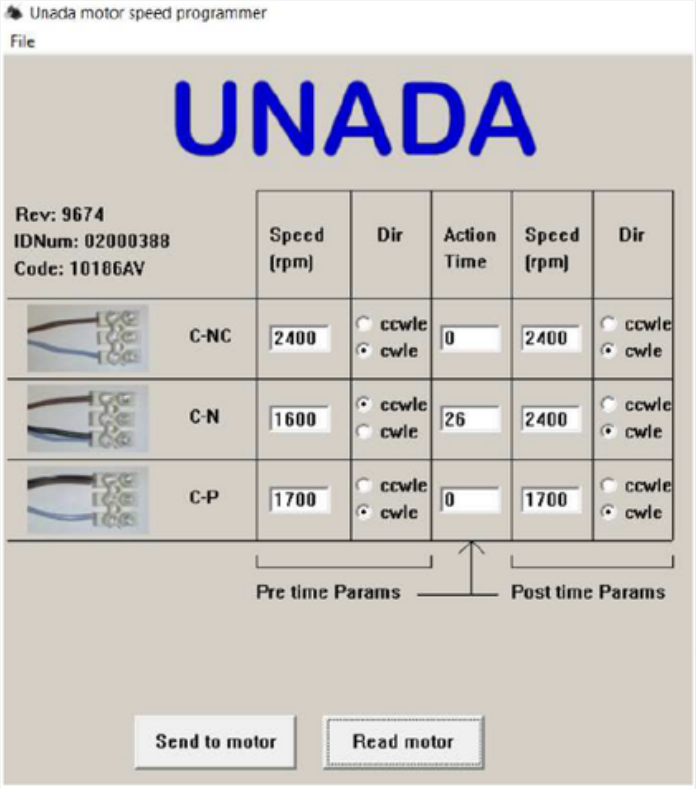
6. Click on "Send to motor" and allow 10 seconds for the data transferring;

7. Remove motor wires from programmer.

ADDITIONAL INFORMATION

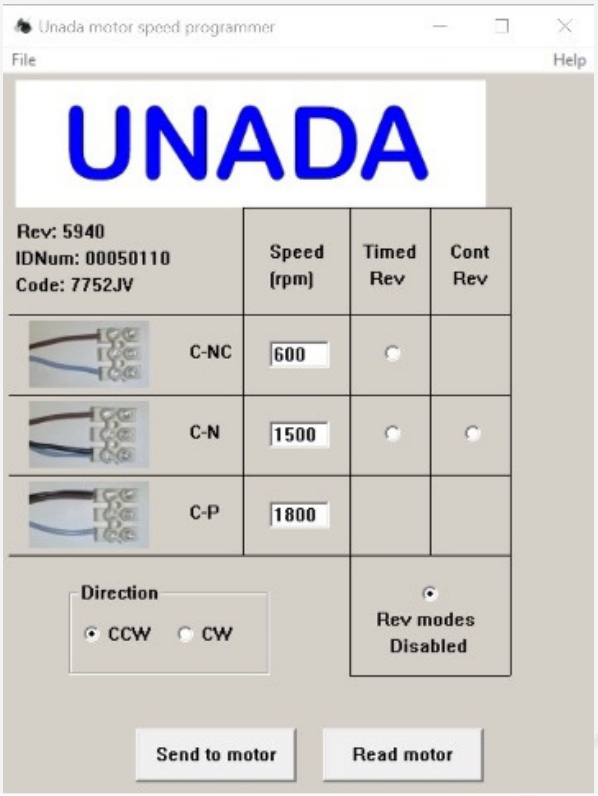
One-way communication

Motors in 2-wire configuration allow for one-way communication only. An external speed measurement is required to confirm the programming was sucessful.



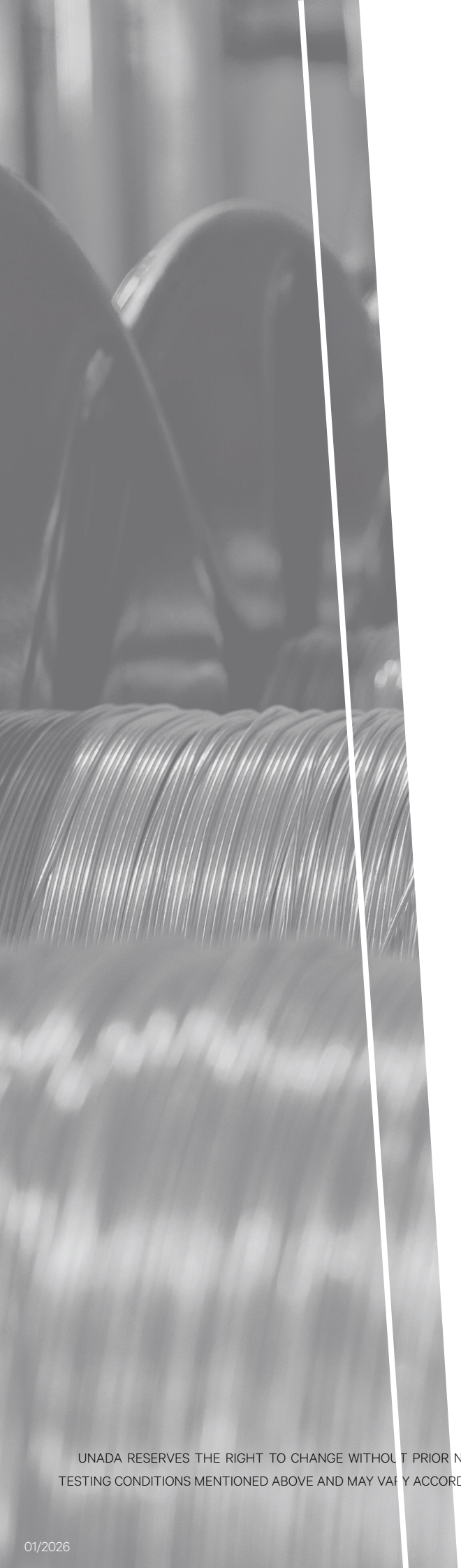
1-3. Follow steps from page 3 or 4;
4. When the motor wires are connected and communication has been successfully established, the motor should stop spinning completely;
5. Click in "Read motor" . The current motor settings will appear on screen;
6. Enter the new settings;
7. Click on "Send to motor" and allow 10 seconds for the data transferring;
8. Click on "Read motor" to confirm the intended changes have been made;
9. Remove motor wires from programmer.

Speed (rpm)	Dir	Action Time	Speed (rpm)	Dir
Speed the motor runs at when the power is supplied. (First speed)	Direction of rotation when the power is supplied. (First direction) LE = Lead end	This is the duration time that the motor will run for before switching to the "Post time Params". Can be set from 10 to 300 seconds	Speed the motor runs after the action time duration has been reached. (Second speed)	Direction of rotation after the action time duration has been reached. (Second direction) LE = Lead end



1-3. Follow steps from page 3 or 4;
4. When the motor wires are connected and communication has been successfully established, the motor should stop spinning completely;
5. Click in "Read motor" . The current motor settings will appear on screen;
6. Enter the new settings;
7. Click on "Send to motor" and allow 10 seconds for the data transferring;
8. Click on "Read motor" to confirm the intended changes have been made;
9. Remove motor wires from programmer.

Speed (rpm)	Direction	Cont Rev	Timed Rev	Rev modes Disabled
Motor speed	Main direction of rotation	Motor to spin the opposite of the main direction of roation	Motor spins the opposite of the main direction of rotation for 180 seconds. Then returns to the main direction of rotation	Disables Cont Rev and Timed Rev



UNADA

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