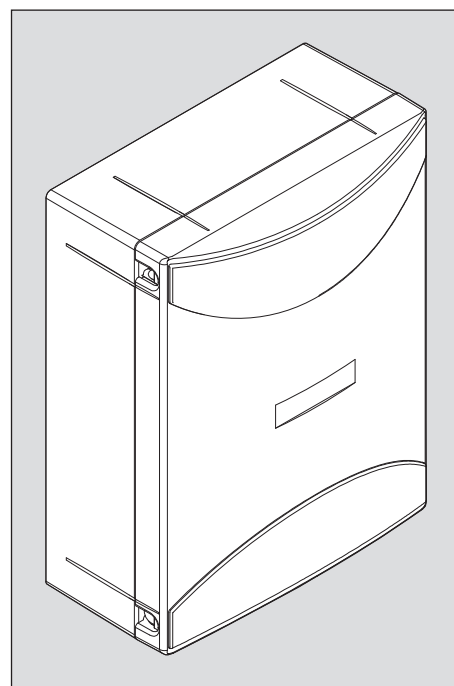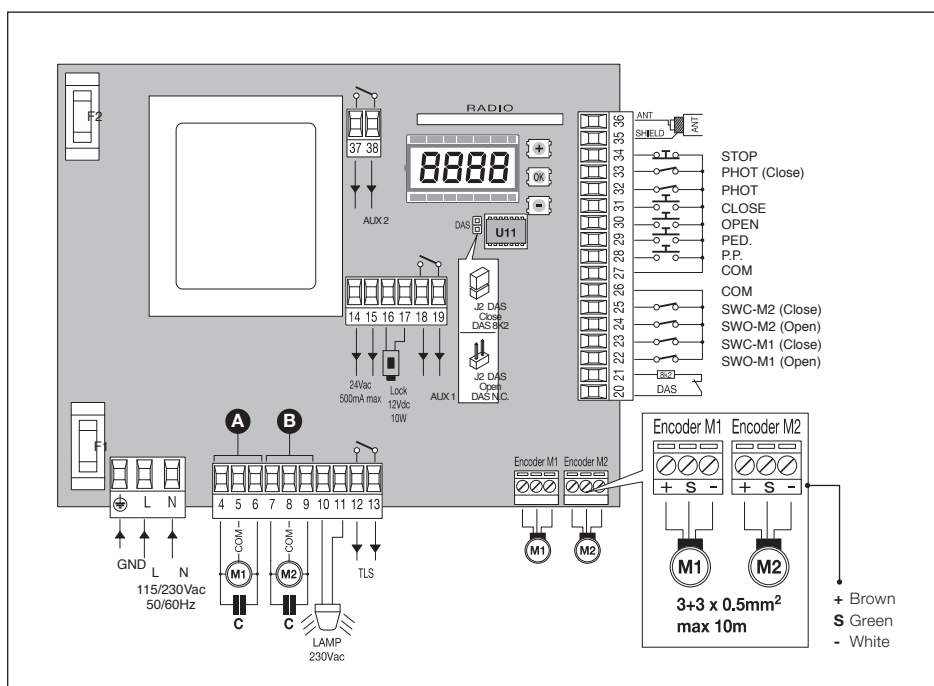# QUICK START GUIDE BRAINY

Full feature control panel

USE THIS QUICK START GUIDE TOGETHER WITH THE INSTRUCTION MANUAL PROVIDED.

1

STAGE 1:

First stage is to correctly wire in the motors to the panel via terminals 4, 5 & 6 for Motor 1 Ⓐ and 7, 8 & 9 for Motor 2 Ⓑ. If only using a single operator, ensure to just use the motor 1 terminals 4,5, & 6 and turn iⁿot to ON in the logic menu.

⚠ **Most of the parameters can be pre-determined via the autoset feature. This can only be used when using motors equipped with encoders.**

If installing motors without encoders then set up of the panel must be completed manually. To do this, you must ensure that the LOGIC setting Enc is turned OFF.

NAVIGATING THE PANEL

BUTTONS:

+ Navigate up / Increase value

OK Enter / Select / Confirm

- Navigate down / Decrease value / Trigger

UNDERSTANDING THE BASIC MENUS

PARAMETERS (PAr-) All settings with numerical values that can be altered. Time, force, percentages.

LOGIC (LOG) All settings that can be turned on or off.

RADIO (RAd) All settings relating to adding or removing transmitters.

Autoset (AU+o) Self calibration setting of encoded motors.

2

STAGE 2:

Power up the control. **At this point, you should have only the motors wired in.**

Press the < - > button to trigger the gates. Both gates should attempt to open. If either begins to close upon triggering you will need to reverse the phases of that particular motor.

Note; *the DL4 light will constantly flash. This is perfectly normal.*

3

STAGE 3:

ENCODER SET UP. If you have wired in the encoders, scroll down to the **AUTOSET (AUTo)** menu. Hit OK. Providing everything is as it should be, the gates will begin to slowly operate as it enters its self learning phase and learns its limits.

NON ENCODER SET UP. Start with the default settings and alter the run times and torque settings according to site requirements.

✓ **ADVISORY SETTINGS THAT MAY REQUIRE ADJUSTMENT**

PARAMETERS (PAr)

$tn1$ & $tn2$ – Motor 1 & 2 run times

Pno & Pnc – Torque settings during normal run times

$tSn1$ & $tSn2$ – The application of the slow down as a percentage of overall run time

PSo & PSc – Torque settings during slow down phase

LOGIC (LoG)

not – Turn to OFF

IbL – Turn to ON

$IbcA$ – Turn to ON

PP – Turn to ON

DISPLAY SCREEN

In the event of malfunctions, by pressing key + or - the status of all inputs (limit switches, control and safety) can be displayed. One segment of the display is linked to each input. In the event of failure it switches on according to the following scheme.

4

STAGE 4:

Your motors should be running nice and smoothly now when triggered. You can begin to introduce any other means of access control, safety devices or auxiliary devices. If you get any dash lines or faults, you can follow the display screen diagram below to help fault find.
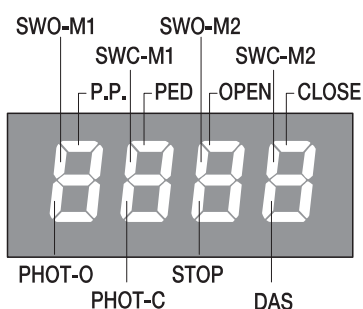
ERROR MESSAGES

In the event of malfunctions, error messages will be displayed as below:

Enc 1	Error, motor 1 encoder	Check the connection to motor 1 encoder
Enc 2	Error, motor 2 encoder	Check the connection to motor 2 encoder
AMP 1	Error, motor 1 obstacle	Check the presence of obstacles on the motor 1 leaf stroke
AMP 2	Error, motor 2 obstacle	Check the presence of obstacles on the motor 2 leaf stroke
Err 1	Error, check motor 1 circuit	Check connections to motor 1
Err 2	Error, check motor 2 circuit	Check connections to motor 2
Err 3	Error, check activation relay	Ask for technical assistance
Err 4	Error, check PHOTA photocell	Check connections, alignment of PHOT A photocell or obstacle present
Err 5	Error, check PHOTC photocell	Check connections, alignment of PHOT C photocell or obstacle present
Err 6	Error, activated sensitive edge (during self-set)	During the self-setting, the safety edge was activated.
Err 7	Error, activated stop (during self-test)	During the self-setting, the STOP input was activated.
Err 8	Error, activated input (during self-test)	During the self-setting, a Start/Pedestrian/Open/Close input was activated.

DIAGNOSTICS

As standard, all the below circuits should be closed going open to trigger and are very rarely used so would be left with factory links in.	
SWO-M1	Open limit switch motor 1 (Terminal 22)
SWC-M1	Close limit switch motor 1 (Terminal 23)
SWO-M2	Open limit switch motor 2 (Terminal 24)
SWC-M2	Close limit switch motor 2 (Terminal 25)
As standard, all the below circuits should be open going closed to trigger.	
P.P.	Indicates an input into the P.P. command (Terminal 28)
PED	Indicates an input into the PED command (Terminal 29)
OPEN	Indicates an input into the OPEN command (Terminal 30)
CLOSE	Indicates an input into the CLOSE command (Terminal 31)
As standard, all the below circuits should be closed going open to trigger.	
PHOT-O	Indicates that the PHOT-O input has triggered (Terminal 32)
PHOT-C	Indicates that the PHOT-C (close) has triggered (Terminal 33)
STOP	Indicates that the STOP input has triggered (Terminal 34)
DAS	Indicates that the safety edge input has triggered (Terminals 20 and 21)