CONTROL TECHNIQUES DYNAMICS

AGV SOLUTION

QUICKSTART GUIDE

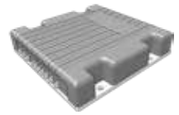
SOLUTION KIT CONTENTS:

1 

Low voltage motor, with integrated gearbox and AGV wheel mounted.

2 

Low voltage motor, with integrated gearbox and AGV wheel mounted.

3 

Dual channel drive controller.

4 

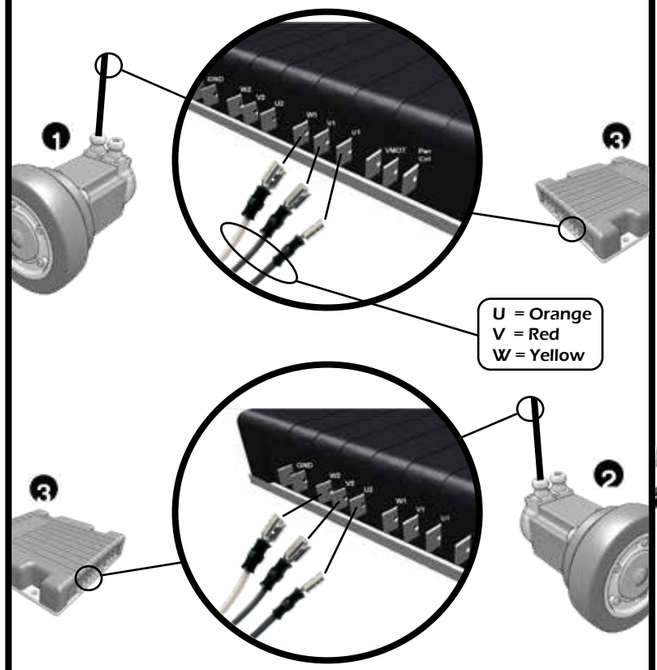
Dual channel drive controller cable.

Also required to complete the setup process is:
- » USB to Mini USB cable
- » PC running Windows 7 or higher
- » 24V - 48V power source

(these items are not included in the solution kit)

1 GET STARTED

Connect motors 1 + 2 to drive 3

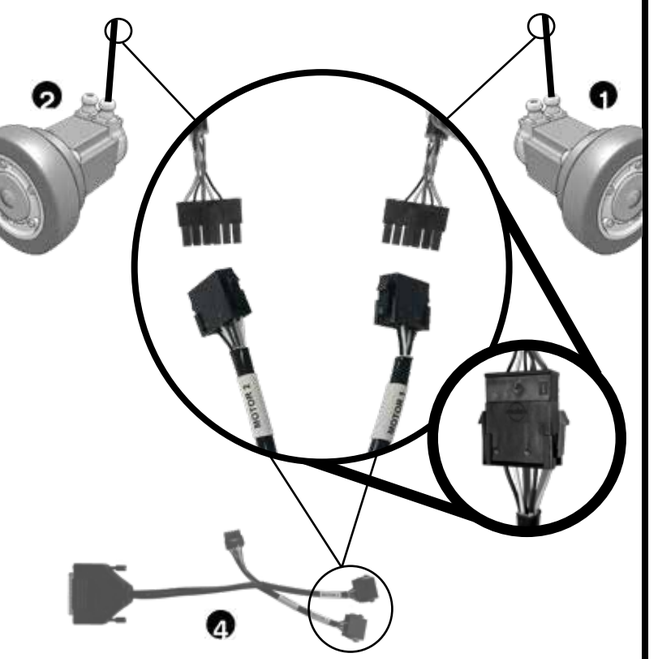


2

Connect drive control cable 4 to drive 3

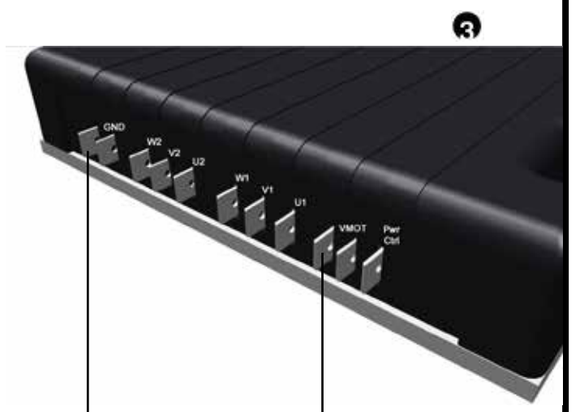
3

Connect drive control cable 4 to motors 1 + 2



4

Connect drive 3 to power source

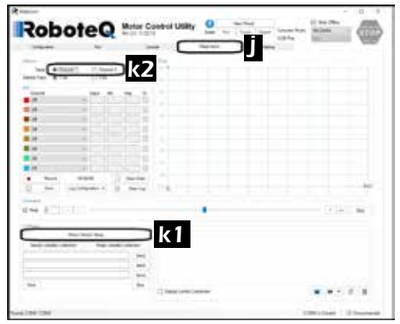


Connect power source V+ to the VMOT connection on drive 3 and the V- to the GND connection on drive 3

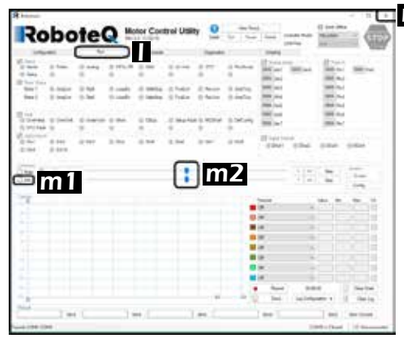
5 FINAL SETUP AND TEST

Connect drive 3 to PC via USB cable (not included)

a) Visit www.roboteq.com/support/downloads and download the Roborun+ PC Utility software and install
b) Visit www.controltechniquesdynamics.com/downloads and request the AGV089.xml file
c) Turn on/connect power source
d) Open Roborun+ software
e) Click *No* on first pop up box
f) Ensure Roborun+ has located the drive (e.g. FBL2360A) if not, tick then untick [] work offline to reconnect to drive
g) Click on *Load Profile from Disk*
h) Locate AGV089.xml file from step 5b and click Open
i) Click *Save to Controller*



j) Click on *Diagnostics* tab
k1) Select *Motor/Sensor Setup* (This will then start the autotune procedure on motor 1)
k2) When completed change Channel 1 to Channel 2 and repeat step k1



l) Select *Run* tab
m1) Tick [] Join
m2) slowly move slider, motors will now run.
To rotate one motor at a time, untick [] Join and move sliders individually
n) Close Roborun+ software and turn off/disconnect power source