EV3LPT

Programming tool for EV3 L series
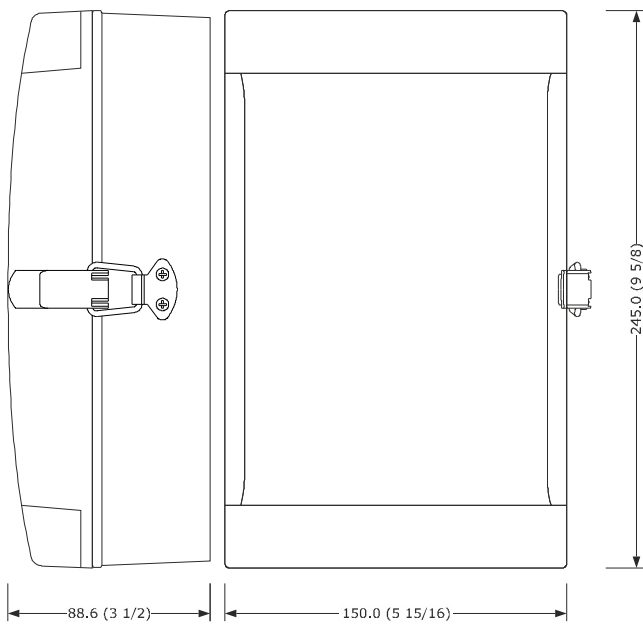
EVCO

PLEASE READ CAREFULLY and save this document
CONSIDER THE ENVIRONMENT

EN   ENGLISH

- it can be used with controllers belonging to EV3 L series.
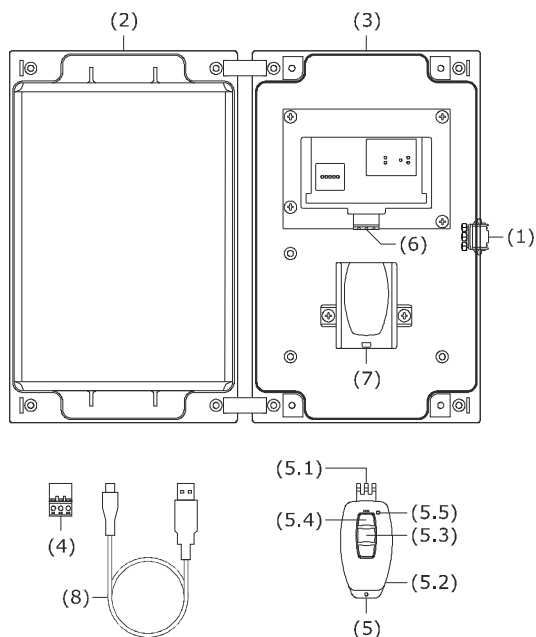
1   MEASUREMENTS

Measurements in mm (inches).

245.0 (9 5/8)
88.6 (3 1/2)   150.0 (5 15/16)

INSTALLATION PRECAUTIONS
- Ensure that the working conditions are within the limits stated in the *TECHNICAL SPECIFI-CATIONS* section.
- Do not use the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks.
- If the device has been moved from a cold to a warm place, the humidity may have caused condensation to form inside. Wait about an hour before switching on the power.
- For repairs and for further information, contact the EVCO sales network.

2   USE

2.1   Getting started

⚠ N.B.
Mahe sure to have a programming key EV3KEY.

(2) (3) (6) (1) (7)
(5.1) (5.5) (5.4) (5.3) (5.2) (5) (4) (8)

1. Open the programming tool using the suitable handle **(1)**, then position both the front shell **(2)** and the back shell **(3)** over a flat surface.
2. Unscrew at the maximum opening the screw connectors of the removable terminal block **(4)**.
3. Put to the bottom the connectors **(5.1)** of the programming key EV3KEY **(5)** into the screw connectors of the removable terminal block **(4)** paying ttention the buttons **(5.3)** and **(5.4)** of the programming key EV3KEY **(5)** and the screw connectors of the removable terminal block **(4)** are addressed on the same side.
4. Screw the screw connectors of the removable terminal block **(4)** moderating the clamping the most possible.
5. Put to the bottom the removable terminal block **(4)** into the suitable connector of the programming tool **(6)**.
6. Press on the programming key EV3KEY **(5)** to get the suitable fixing clip to click **(7)**.
7. Connect one hand of the USB cable **(8)** to the USB port **(5.2)** of the programming key EV3KEY **(5)**.
8. Connect the other hand of the USB cable **(8)** to the USB port of a Personal Computer or to the USB port of an USB power supplier (in this last case also put the plug of the USB power supplier in a socket).

2.2   Uploading configuration parameters (from controller to programming key)

⚠ N.B.
- the upload of configuration parameters overwrites possible data stored into the programming key
- the upload of configuration parameters normally takes a few seconds. If the upload is succesfully completed, the LED of the programming key will firmly be green 1 s; vice versa, repeat the upload.

1. From step 8. of the previous paragraph, position the controller into the suitable seat **(9)** and keep it pressed downward.
2. Press and hold 1 s the button clone **(5.4)** of the programming key EV3KEY **(5)**: the LED **(5.5)** will firmly be red 1 s.
3. Press and release button enter **(5.3)** of the programming key EV3KEY **(5)** when the LED **(5.5)** is firmly red: the LED **(5.5)** will be red flashing and the upload of configuration parameters will be started, then the LED will firmly be green 1 s.
4. Remove the controller from the suitable seat **(9)**.
5. Repeat the procedure with another controller.

2.3   Downloading configuration parameters (from programming key to controller)

⚠ N.B.
- the download of configuration parameters is allowed on condition that the firmware of the controller of origin coincides with the firmware of the controller of destination
- the download of configuration parameters normally takes a few seconds. If the download is succesfully completed, the LED of the programming key will firmly be green 1 s
- if the download of configuration parameters fails, it could be necessary to restore the factory settings (default) of the controller: see the relevant instruction sheets.

1. From step 8. of the previous paragraph, position the controller into the suitable seat **(9)** and keep it pressed downward.
2. Press and release button clone **(5.4)** of the programming key EV3KEY **(5)**: the LED **(5.5)** will be red flashing and the download of configuration parameters will be started, then the LED will firmly be green 1 s.
3. Remove the controller from the suitable seat **(9)**.
4. Repeat the procedure with another controller.

3   TECHNICAL SPECIFICATIONS

Container	White, self-extinguishing
Category of heat and fire resistance	D.
Measurements	150.0 x 245.0 x 88.6 mm (5 15/16 x 9 5/8 x 3 1/2 in).
Degree of protection provided by the covering	IP65
Operating temperature	From -5 to 55 °C (from 23 to 131 °F)
Storage temperature	From -25 to 70 °C (from -13 to 158 °F)
Operating humidity	Relative humidity without condensate from 10 to 90%
Power supply:	USB power supply.