



ACTUATOR CONTROL BOXES | Asynchronous models

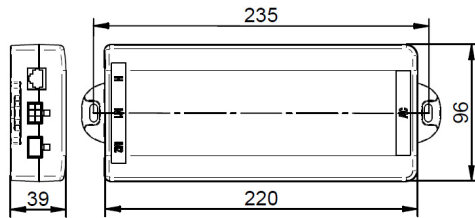
Transmotec sell a broad range of high quality linear actuator control boxes and hand controls. Transmotec is the ideal supplier source especially to instrument and apparatus builders. We keep a high number of products in stock for immediate delivery.

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DDLA-1 Asynchronous actuator control box

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model

- Number of actuator axis

Example: DDLA-1

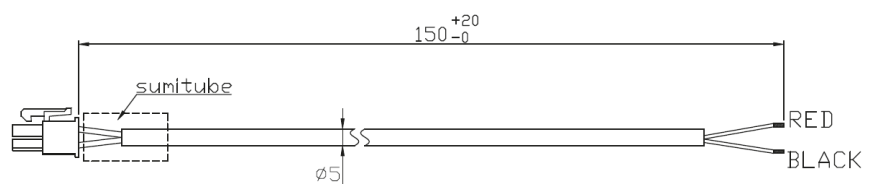
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

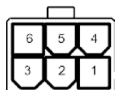
Product name	DDLA-1
Mode	Asynchronous
Number of actuators	1
Compatible hand control	HDL-DDLA-1 sold separately
Compatible actuator	Series DLA-DLB. Note! standard actuators are sold with flying wires but adapter cable is included. Actuators with connectors are sold on demand
Output voltage	24 VDC
Output current A	2.4
Overload protection current	5.5A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	100-240 VAC 50/60 Hz
Power cables	AC IEC C7 3000 mm US EU plug two cables
CE Marking	Yes
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Weight Kg	0.78
Connector to hand control	10P10C (RJ50) Jack
Connector to actuator	Molex 45732-0001 Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE (mm)

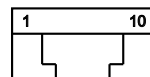


CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack



10P10C (RJ50) Jack



CONNECTOR PIN CONFIGURATION

	Molex 45732-0001	10P10C (RJ50)
1		
2		5V
3	M-	
4		
5		1 Up M1
6	M+	
7		
8		1 Down M1
9		
10		

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

Connect the actuator/s adapter cable between the control box and the actuator

Press and continuously hold down the M button on the hand control for actuator/s operation

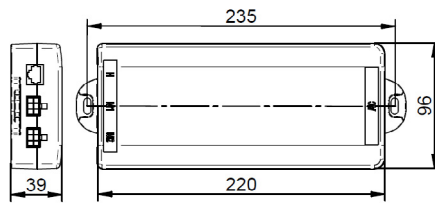
The actuator/s will stop at any position when the hand control button is released

The actuator/s will stop automatically by its internal limit switches at end position

Simultaneous operation of several actuators is possible

DDLA-2 Asynchronous actuator control box

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model

- Number of actuator axis

Example: DDLA-1

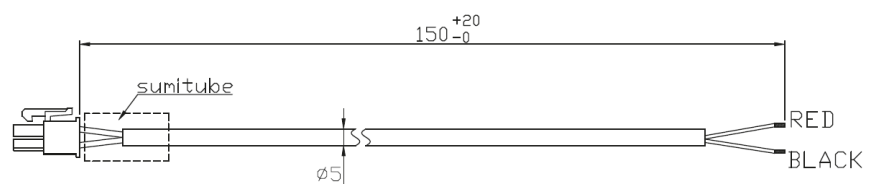
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

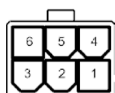
Product name	DDLA-2
Mode	Asynchronous
Number of actuators	2
Compatible hand control	HDL-DDLA-2 sold separately
Compatible actuator	Series DLA-DLB. Note! standard actuators are sold with flying wires but adapter cable is included. Actuators with connectors are sold on demand
Output voltage	24 VDC
Output current A	2.4
Overload protection current	5.5A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	100-240 VAC 50/60 Hz
Power cables	AC IEC C7 3000 mm US EU plug two cables
CE Marking	Yes
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Weight Kg	0.78
Connector to hand control	10P10C (RJ50) Jack
Connector to actuator	Molex 45732-0001 Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE (mm)

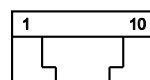


CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack



10P10C (RJ50) Jack



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

Connect the actuator/s adapter cable between the control box and the actuator

Press and continuously hold down the M button on the hand control for actuator/s operation

The actuator/s will stop at any position when the hand control button is released

The actuator/s will stop automatically by its internal limit switches at end position

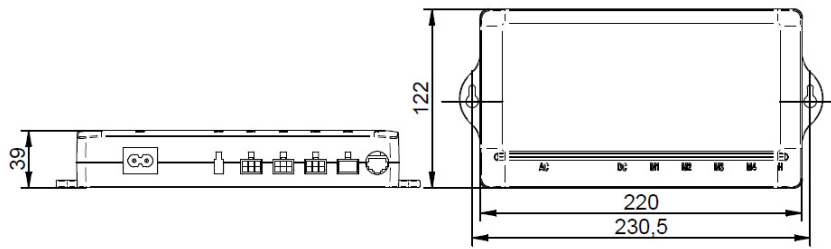
Simultaneous operation of several actuators is possible

CONNECTOR PIN CONFIGURATION

	Molex 45732-0001	10P10C (RJ50)
1		
2		5V
3	M-	
4		2 Up M2
5		1 Up M1
6	M+	
7		2 Down M2
8		1 Down M1
9		
10		

DDLA-3 Asynchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Number of actuator axis

Example: DDLA-1

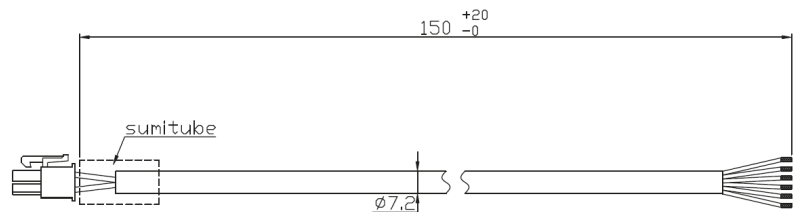
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

Product name	DDLA-3
Mode	Asynchronous
Number of actuators	3
Compatible hand control	HDL-DDLA-3
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-M included)
Output voltage	24 VDC
Output current A	2.4
Overload protection current	N/A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	100-240 VAC 50/60 Hz
Power cables	AC IEC C7 3000 mm. Cables with EU and US plugs are included
CE label	Yes
Permissible ambient temperature deg.C	+5°C ~ +40°C
IP	IP20
Weight Kg	0.79
Connector hand control	10P10C (RJ50) Jack
Connector actuator	Molex 45732-0001 Jack
Body material/s	ABS + Fireproof
Color	Black

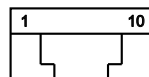
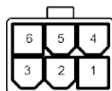
DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack

10P10C (RJ50) Jack



OPERATION GUIDANCE SYNCHRONOUS CONTROL BOXES

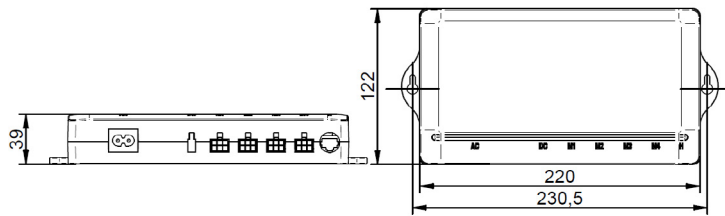
- Connect the actuator/s adapter cable between the control box and the actuator
- All actuators must be connected for functional operation
- In case the actuators fall out of synchronization. Run a full extraction and retraction
- Press and continuously hold down the M button on the hand control for actuators operation
- Actuators will have a few mm stopping distance
- The actuator/s will stop automatically by its internal limit switches at end position

CONNECTOR PIN CONFIGURATION

	Molex 45732-0001	10P10C (RJ50)
1		
2		5V
3	M-	3 Up M3
4		2 Up M2
5		1 Up M1
6	M+	3 Down M3
7		2 Down M2
8		1 Down M1
9		
10		

DDLA-4 Asynchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Number of actuator axis

Example: DDLA-1

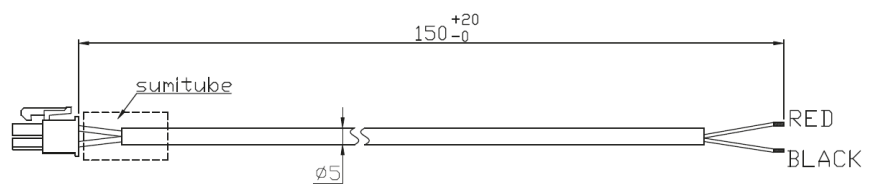
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

Product name	DDLA-4
Mode	Asynchronous
Number of actuators	4
Compatible hand control	HDL-DDLA-4
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-M included)
Output voltage	24 VDC
Output current A	2.4
Overload protection current	N/A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	100-240 VAC 50/60 Hz
Power cables	AC IEC C7 3000 mm. Cables with EU and US plugs are included
CE label	Yes
Permissible ambient temperature deg.C	+5°C ~ +40°C
IP	IP20
Weight Kg	0.79
Connector hand control	10P10C (RJ50) Jack
Connector actuator	Molex 45732-0001 Jack
Body material/s	ABS + Fireproof
Color	Black

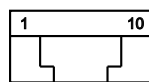
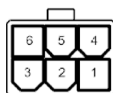
DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack

10P10C (RJ50) Jack



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

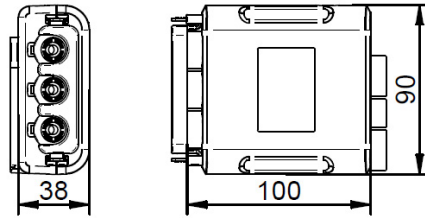
- Connect the actuator/s adapter cable between the control box and the actuator
- Press and continuously hold down the M button on the hand control for actuator/s operation
- The actuator/s will stop at any position when the hand control button is released
- The actuator/s will stop automatically by its internal limit switches at end position
- Simultaneous operation of several actuators is possible

CONNECTOR PIN CONFIGURATION

	Molex 45732-0001	10P10C (RJ50)
1		4 Up M4
2		5V
3	M-	3 Up M3
4		2 Up M2
5		1 Up M1
6	M+	3 Down M3
7		2 Down M2
8		1 Down M1
9		
10		4 Down M4

DDLA-24-1 Asynchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Input DC voltage - Number of actuator axis

Example: DDLA-24-1

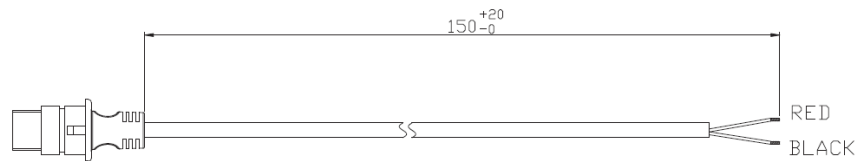
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

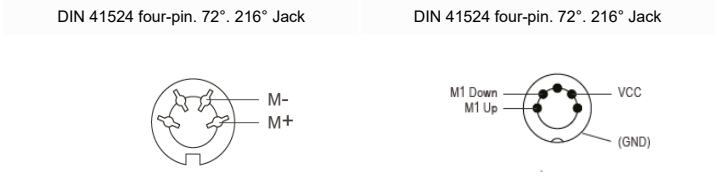
Product name	DDLA-24-1
Mode	Asynchronous
Number of actuators	1
Compatible hand control	HDL-DDLA-24-1
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-D included)
Output voltage	24 VDC
Output current A	3
Overload protection current	3A-Nominal (PTC)
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	24 VDC
Power cables	DC DIN 41529 1000 mm
CE Marking	EMC Directive 2014/30/EU and 2004/108/EC
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Weight Kg	0.2
Connector to hand control	DIN 41524 five-pin. 45°. 180° Jack
Connector to actuator	DIN 41524 four-pin. 72°. 216° Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



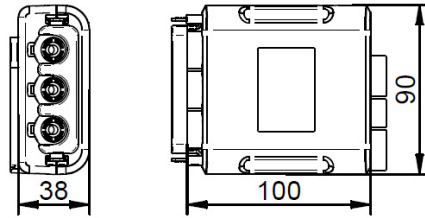
OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES **CONNECTOR PIN LAYOUT**

- Connect the actuator/s adapter cable between the control box and the actuator
- Press and continuously hold down the M button on the hand control for actuator/s operation
- The actuator/s will stop at any position when the hand control button is released
- The actuator/s will stop automatically by its internal limit switches at end position
- Simultaneous operation of several actuators is possible



DDLA-24-2 Asynchronous actuator control box

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Input DC voltage - Number of actuator axis

Example: DDLA-24-1

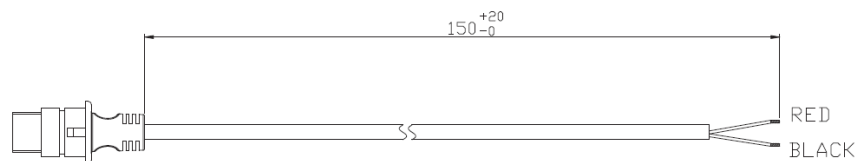
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

Product name	DDLA-24-2
Mode	Asynchronous
Number of actuators	2
Compatible hand control	HDL-DDLA-24-2
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-D included)
Output voltage	24 VDC
Output current A	3
Overload protection current	3A-Nominal (PTC)
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	24 VDC
Power cables	DC DIN 41529 1000 mm
CE Marking	EMC Directive 2014/30/EU and 2004/108/EC
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Weight Kg	0.2
Connector to hand control	DIN 41524 five-pin. 45°. 180° Jack
Connector to actuator	DIN 41524 four-pin. 72°. 216° Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE (mm)



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

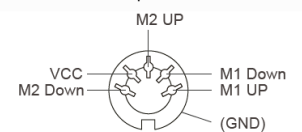
- Connect the actuator/s adapter cable between the control box and the actuator
- Press and continuously hold down the M button on the hand control for actuator/s operation
- The actuator/s will stop at any position when the hand control button is released
- The actuator/s will stop automatically by its internal limit switches at end position
- Simultaneous operation of several actuators is possible

CONNECTOR PIN LAYOUT

DIN 41524 four-pin. 72°. 216° Jack

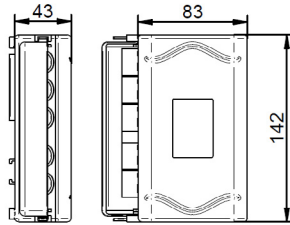


DIN 41524 five-pin. 45°. 180° Jack



DDLA-24-3 Asynchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Input DC voltage - Number of actuator axis

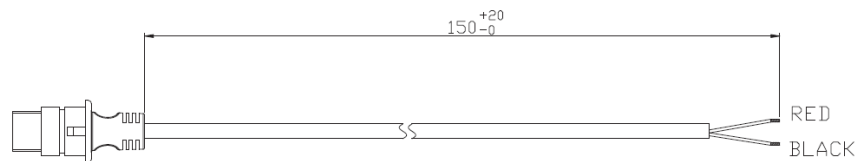
Example: DDLA-24-1

ACTUATOR ADAPTER CABLE INCLUDED



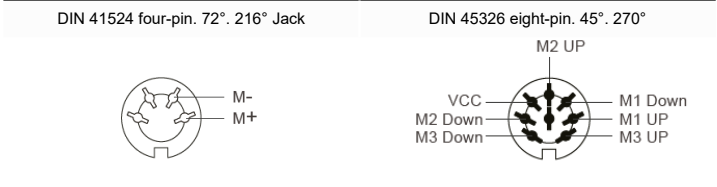
GENERAL DATA	
Product name	DDLA-24-3
Mode	Asynchronous
Number of actuators	3
Compatible hand control	HDL-DDLA-24-3
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-D included)
Output voltage	24 VDC
Output current A	3
Overload protection current	N/A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	24 VDC
Power cables	DC DIN 41529 1000 mm
CE Marking	EMC Directive 2014/30/EU
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Weight Kg	0.34
Connector to hand control	DIN 45326 eight-pin. 45°. 270° Jack
Connector to actuator	DIN 41524 four-pin. 72°. 216° Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



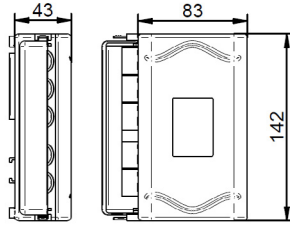
OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES **CONNECTOR PIN LAYOUT**

- Connect the actuator/s adapter cable between the control box and the actuator
- Press and continuously hold down the M button on the hand control for actuator/s operation
- The actuator/s will stop at any position when the hand control button is released
- The actuator/s will stop automatically by its internal limit switches at end position
- Simultaneous operation of several actuators is possible



DDLA-24-4 Asynchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL A = (A) Asynchronous model - Input DC voltage - Number of actuator axis

Example: DDLA-24-1

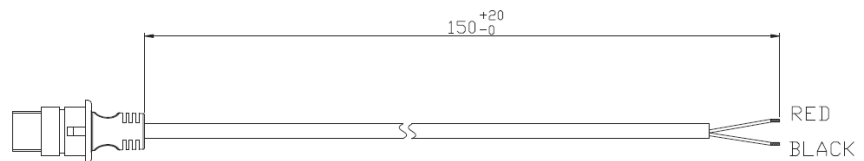
ACTUATOR ADAPTER CABLE INCLUDED



GENERAL DATA

Product name	DDLA-24-4
Mode	Asynchronous
Number of actuators	4
Compatible hand control	HDL-DDLA-24-4
Compatible actuator	DLA-DLB (Standard version with flying wires leads. Adapter cable C-DDLA-D included)
Output voltage	24 VDC
Output current A	3
Overload protection current	N/A
Duty cycle	10%. max. 2 min. continuous operation in 20 min
Input voltage	24 VDC
Power cables	DC DIN 41529 1000 mm
CE Marking	EMC Directive 2014/30/EU
Ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Weight Kg	0.36
Connector to hand control	DIN 45326 eight-pin. 45°. 270° Jack
Connector to actuator	DIN 41524 four-pin. 72°. 216° Jack
Body material/s	ABS + Fireproof
Color	Black

DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES **CONNECTOR PIN LAYOUT**

- Connect the actuator/s adapter cable between the control box and the actuator
- Press and continuously hold down the correct button on the hand control for actuator/s operation
- The actuator/s will stop at any position when the hand control button is released
- The actuator/s will stop automatically by its internal limit switches at end position
- Simultaneous operation of several actuators is possible

