



ACTUATOR HAND CONTROLS

Asynchronous
Synchronous
Models

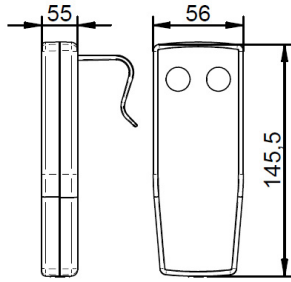
Transmotec sell a broad range of high quality linear actuator control boxes and hand controls. Transmotec is the ideal supplier source especially to instrument and apparatus builders. We keep a high number of products in stock for immediate delivery.

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HDL-DDLA-1

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

OPTIONAL CONTROL BOX AVAILABLE

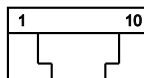


GENERAL DATA

Product name	HDL-DDLA-1
Mode	Asynchronous
Number of actuators	1
Compatible control box	DDLA-1
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

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

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

Simultaneous operation of several actuators is possible

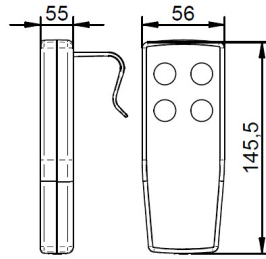
CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	
4	
5	1 Up M1
6	
7	
8	1 Down M1
9	
10	

HDL-DDLA-2

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

OPTIONAL CONTROL BOX AVAILABLE

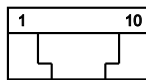


GENERAL DATA

Product name	HDL-DDLA-2
Mode	Asynchronous
Number of actuators	2
Compatible control box	DDLA-2
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	
4	2 Up M2
5	1 Up M1
6	
7	2 Down M2
8	1 Down M1
9	
10	

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

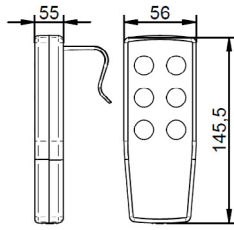
The actuator/s will stop at any position when the handset button is released

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

Simultaneous operation of several actuators is possible

HDL-DDLA-3

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

OPTIONAL CONTROL BOX AVAILABLE

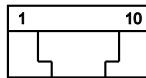


GENERAL DATA

Product name	HDL-DDLA-3
Mode	Asynchronous
Number of actuators	3
Compatible control box	DDLA-3
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

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

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

Simultaneous operation of several actuators is possible

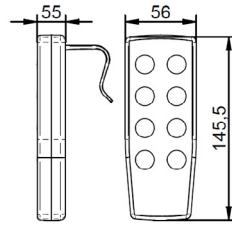
CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	3 Up M3
4	2 Up M2
5	1 Up M1
6	3 Down M3
7	2 Down M2
8	1 Down M1
9	
10	

HDL-DDLA-4

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

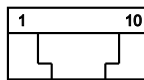
OPTIONAL CONTROL BOX AVAILABLE



GENERAL DATA	
Product name	HDL-DDLA-4
Mode	Asynchronous
Number of actuators	4
Compatible control box	DDLA-4
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

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

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

Simultaneous operation of several actuators is possible

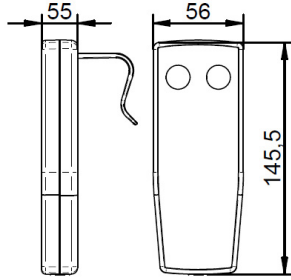
CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	4 Up M4
2	5V
3	3 Up M3
4	2 Up M2
5	1 Up M1
6	3 Down M3
7	2 Down M2
8	1 Down M1
9	
10	4 Down M4

HDL-DDLA-24-1

DRAWING
(mm)



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

PHOTO



OPTIONAL CONTROL BOX AVAILABLE



GENERAL DATA

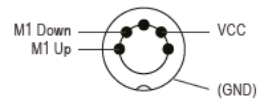
Product name	HDL-DDLA-24-1
Mode	Asynchronous
Number of actuators	1
Compatible control box	DDLA-24-1
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Connector handset	DIN 41524 five-pin. 45°. 180° Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

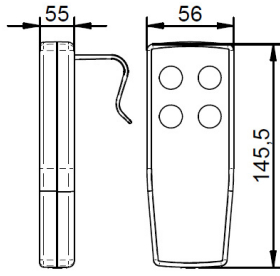
CONNECTOR PIN LAYOUT

DIN 41524 five-pin. 72°. 216° Plug



HDL-DDLA-24-2

DRAWING (mm)



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

PHOTO



OPTIONAL CONTROL BOX AVAILABLE



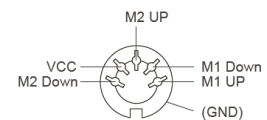
GENERAL DATA	
Product name	HDL-DDLA-24-2
Mode	Asynchronous
Number of actuators	2
Compatible control box	DDLA-24-2
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Connector handset	DIN 41524 five-pin. 45°. 180° Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

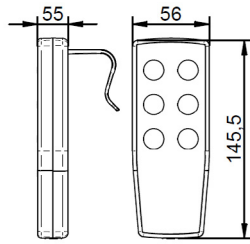
CONNECTOR PIN LAYOUT

DIN 41524 five -pin. 72°. 216° Plug



HDL-DDLA-24-3

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

OPTIONAL CONTROL BOX AVAILABLE



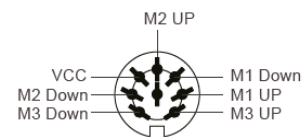
GENERAL DATA	
Product name	HDL-DDLA-24-3
Mode	Asynchronous
Number of actuators	3
Compatible control box	DDLA-24-3
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Connector handset	DIN 41524 eight-pin. 45°. 180° Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

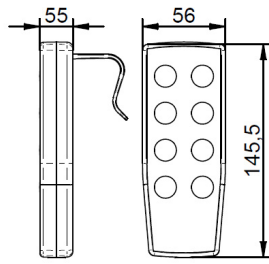
CONNECTOR PIN LAYOUT

DIN 41524 eight-pin. 72°. 216° Plug



HDL-DDLA-24-4

DRAWING (mm)



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

PHOTO



OPTIONAL CONTROL BOX AVAILABLE



GENERAL DATA

Product name	HDL-DDLA-24-4
Mode	Asynchronous
Number of actuators	4
Compatible control box	DDLA-24-4
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP42
Connector handset	DIN 41524 eight-pin. 45°. 180° Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

OPERATION GUIDANCE ASYNCHRONOUS CONTROL BOXES

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

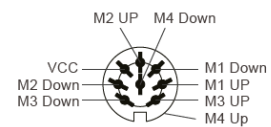
The actuator/s will stop at any position when the handset button is released

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

Simultaneous operation of several actuators is possible

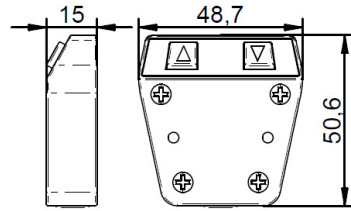
CONNECTOR PIN LAYOUT

DIN 41524 eight-pin. 72°. 216° Plug



HDL-DDLS-2

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

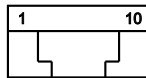
OPTIONAL CONTROL BOX AVAILABLE



GENERAL DATA	
Product name	HDL-DDLS-2
Mode	Synchronous
Number of actuators	2
Compatible control box	DDLS-2
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDENCE SYNCHRONOUS CONTROL BOXES

- Connect all actuators adapter cables between the control box and the actuator
- All actuators must be connected to the control box for functional operation
- Press and hold down both hand control buttons 3 seconds to start automatic calibration process
- Press and continuously hold down the M button on the hand control for actuators operation
- Actuators will have a few mm stopping distance
- The actuators will stop automatically by its internal limit switches at end position

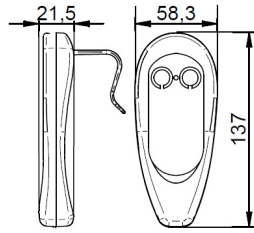
CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	
4	
5	1 Up M1
6	
7	
8	1 Down M1
9	
10	

HDL-DDLS-3

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

OPTIONAL CONTROL BOX AVAILABLE

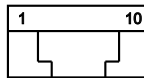


GENERAL DATA

Product name	HDL-DDLS-3
Mode	Synchronous
Number of actuators	3
Compatible control box	DDLS-3
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDENCE SYNCHRONOUS CONTROL BOXES

- Connect all actuators adapter cables between the control box and the actuator
- All actuators must be connected to the control box for functional operation
- Press and hold down both hand control buttons 3 seconds to start automatic calibration process
- Press and continuously hold down the M button on the hand control for actuators operation
- Actuators will have a few mm stopping distance
- The actuators will stop automatically by its internal limit switches at end position

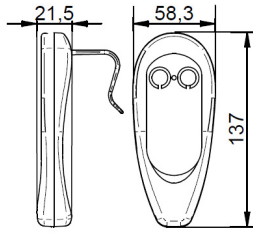
CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	
4	
5	1 Up M1
6	
7	
8	1 Down M1
9	
10	

HDL-DDLS-4

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION



Example: HDL-DDLA-1

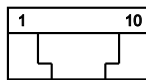
OPTIONAL CONTROL BOX AVAILABLE



GENERAL DATA	
Product name	HDL-DDLS-4
Mode	Synchronous
Number of actuators	4
Compatible control box	DDLS-4
Cable length mm	880 spiral 420
Permissible ambient temperature deg. C	+5°C ~ +40°C
IP	IP20
Connector handset	10P10C (RJ50) Plug
Body material/s	ABS
Color	Pantone cool gray 11C black black spiral cable and connector
Color	Black

CONNECTOR PIN LAYOUT

10P10C (RJ50) Jack



OPERATION GUIDENCE SYNCHRONOUS CONTROL BOXES

- Connect all actuators adapter cables between the control box and the actuator
- All actuators must be connected to the control box for functional operation
- Press and hold down both hand control buttons 3 seconds to start automatic calibration process
- Press and continuously hold down the M button on the hand control for actuators operation
- Actuators will have a few mm stopping distance
- The actuators will stop automatically by its internal limit switches at end position

CONNECTOR PIN CONFIGURATION

10P10C (RJ50)

1	
2	5V
3	
4	
5	1 Up M1
6	
7	
8	1 Down M1
9	
10	