



ACTUATOR CONTROL BOXES | Synchronous models

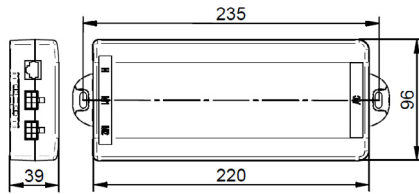
Transmotec sell a broad range of high quality linear actuator control boxes and hand controls. Transmotec is the ideal supplier source especially to instrument and apparatus builders. We keep a high number of products in stock for immediate delivery.

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DDLS-2 Synchronous actuator control box

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

DDL S = (S) Synchronous model

-

Number of actuator axis

Example: DDLS-2

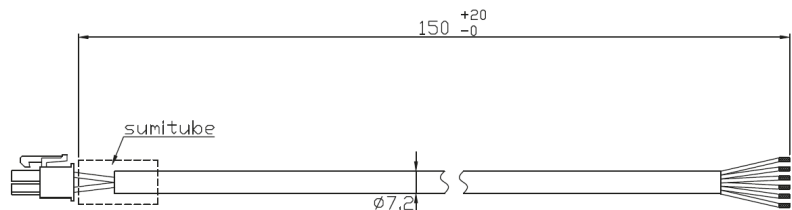
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

| | |
|-----------------------------|--|
| Product name | DDLS-2 |
| Mode | Synchronous |
| Number of actuators | 2 |
| Compatible hand control | HDL-DDLS-2 |
| Compatible actuators | DLA-DLB HALL (Standard version with flying wires leads. Adapter cable C-DDLS-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 Marking | Yes |
| Ambient temperature deg. C | +5°C ~ +40°C |
| IP | IP20 |
| Weight Kg | 0.81 |
| Connector to hand control | 10P10C (RJ50) Jack |
| Connector to actuator | Molex 45732-0001 Jack |
| Body material/s | ABS + Fireproof |
| Color | Black |

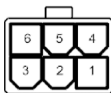
DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE (mm)



CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack

10P10C (RJ50) Jack



OPERATION GUIDANCE 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

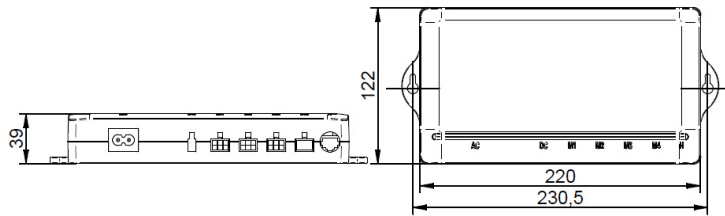
The actuators will stop automatically by its internal limit switches at end position

CONNECTOR PIN CONFIGURATION

| | Molex 45732-0001 | 10P10C (RJ50) |
|----|------------------|---------------|
| 1 | GND White | |
| 2 | Vin Yellow | 5V |
| 3 | M- Black | |
| 4 | Hall 2 Green | |
| 5 | Hall 1 Blue | 1 Up M1 |
| 6 | M+ Red | |
| 7 | | |
| 8 | | 1 Down M1 |
| 9 | | |
| 10 | | |

DDLS-3 Synchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL S = (S) Synchronous model - Number of actuator axis

Example: DDLS-3

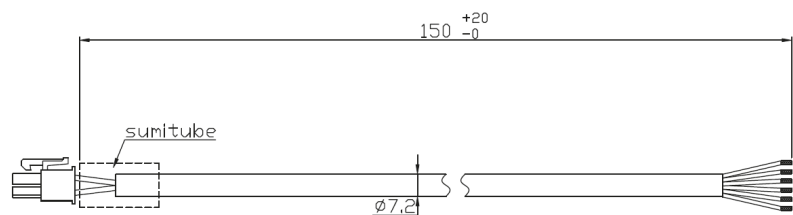
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

| | |
|-----------------------------|--|
| Product name | DDLS-3 |
| Mode | Synchronous |
| Number of actuators | 3 |
| Compatible hand control | HDL-DDLS-3 |
| Compatible actuators | DLA-DLB HALL (Standard version with flying wires leads. Adapter cable C-DDLS-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 Marking | Yes |
| Ambient temperature deg. C | +5°C ~ +40°C |
| IP | IP20 |
| Weight Kg | 0.93 |
| Connector to hand control | 10P10C (RJ50) Jack |
| Connector to actuator | Molex 45732-0001 Jack |
| Body material/s | ABS + Fireproof |
| Color | Black |

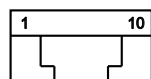
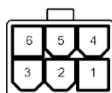
DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack

10P10C (RJ50) Jack



OPERATION GUIDENCE SYNCHRONOUS CONTROL BOXES

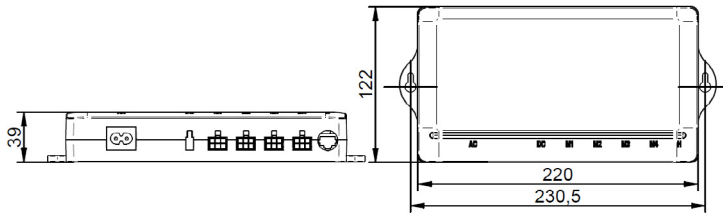
- Connect all actuators adapter cables between the control box and the actuator
- All actuators must be connected to the control box for functional operation
- Press and hold down both hand control buttons 3 seconds to start automatic calibration process
- Press and continuously hold down the M button 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

| | Molex 45732-0001 | 10P10C (RJ50) |
|----|------------------|---------------|
| 1 | GND White | |
| 2 | Vin Yellow | 5V |
| 3 | M- Black | |
| 4 | Hall 2 Green | |
| 5 | Hall 1 Blue | 1 Up M1 |
| 6 | M+ Red | |
| 7 | | |
| 8 | | 1 Down M1 |
| 9 | | |
| 10 | | |

DDLS-4 Synchronous actuator control box

DRAWING
(mm)



PHOTO



MODEL NO. DESIGNATION

DDL S = (S) Synchronous model - Number of actuator axis

Example: DDLS-3

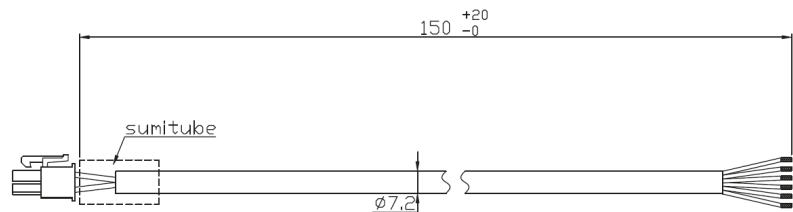
OPTIONAL HAND CONTROL AVAILABLE



GENERAL DATA

| | |
|-----------------------------|--|
| Product name | DDLS-4 |
| Mode | Synchronous |
| Number of actuators | 4 |
| Compatible hand control | HDL-DDLS-4 |
| Compatible actuators | DLA-DLB HALL (Standard version with flying wires leads. Adapter cable C-DDLS-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 Marking | Yes |
| Ambient temperature deg. C | +5°C ~ +40°C |
| IP | IP20 |
| Weight Kg | 0.93 |
| Connector to hand control | 10P10C (RJ50) Jack |
| Connector to actuator | Molex 45732-0001 Jack |
| Body material/s | ABS + Fireproof |
| Color | Black |

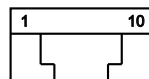
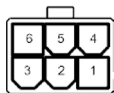
DRAWING OF INCLUDED ACTUATOR ADAPTER CABLE
(mm)



CONNECTOR PIN LAYOUT

Molex 45732-0001 Jack

10P10C (RJ50) Jack



OPERATION 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

| | Molex 45732-0001 | 10P10C (RJ50) |
|----|------------------|---------------|
| 1 | GND White | |
| 2 | Vin Yellow | 5V |
| 3 | M- Black | |
| 4 | Hall 2 Green | |
| 5 | Hall 1 Blue | 1 Up M1 |
| 6 | M+ Red | |
| 7 | | |
| 8 | | 1 Down M1 |
| 9 | | |
| 10 | | |