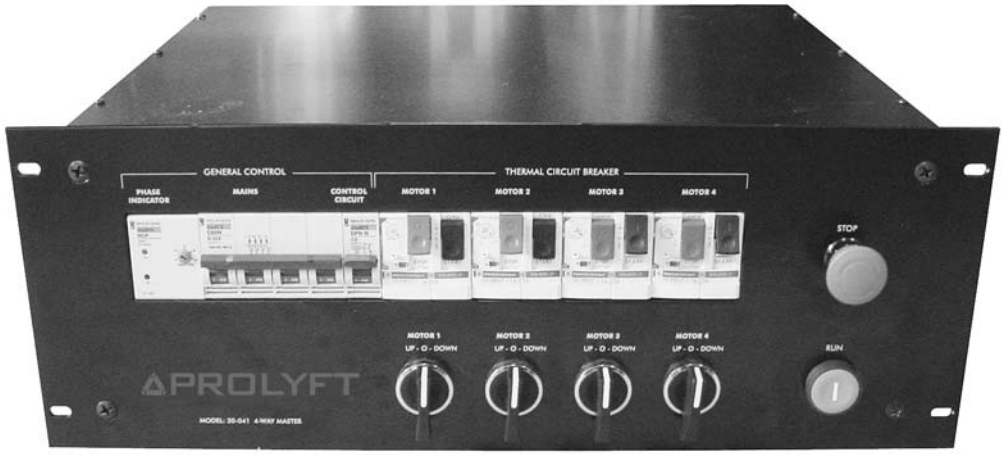
USER MANUAL PROLYFT CONTROLLERS FOR DIRECT CONTROLLED HOIST



PLE-30-040

PLE-30-041

PLE-30-042

PLE-30-080

Should you have any questions or have problems with this product, please call Prolyft at **+31 (0)594 85 15 15**

Before using the controller hoist, fill in the information below:

Model No. _____

Purchase Date _____

Service point _____

PROLYFT

CONTENT

SYSTEM DESCRIPTION

Prolyte has designed a range of controllers that can be used in conjunction with the Prolyft chain hoist, but also with most other types of direct controlled chain hoists, provided they will fit the electrical limits of this equipment.

To be able to control your chain hoist on low voltage control, please contact your nearest Prolyft Service Point. They can supply you with adequate controllers and manuals.

All controllers have a custom-build, sturdy steel 19" rack housing. The housing is 4HE high and has a black powder coated finish. All selected electrical components meet the needs for industrial use and requirements stated in the EC machine directive, EN standards and IEC and FEM regulations.

The PLE-30-040 and PLE-030-080 models are basic types, which offer all necessary control functions.
Prolyte however strongly advises to use the PLE-030-041 master and PLE-030-042 slave model controller. These controllers are equipped with thermal and short circuit breakers per hoist, with an overall protection circuit. This means that, in case of failure, all controlled hoists will switch off automatically, thereby protecting your truss rig and your hoists in a far more safe and advanced way.

All controllers can be linked to create a multi channel controller. The PLE-30-041 model can be extended with 3 slaves to create a 16-way controller. If more channels are needed, individual masters can be interlinked. Multi channel control up to as many channels as needed can be created in this way.

LIMITATION OF USE

All controllers are designed work in conjunction with the Prolyft chain hoist. It is also allowed to use them with other brands of direct controlled chain hoists, if provided they fit within the electrical limits of this equipment.

Controllers may only be used in areas, which are secured against environmental influences and with operating temperatures from -20 degree Celsius till +40 degree Celsius.

VOLTAGES

MODELS PLE-30-040 / PLE 30-080

- Operating voltage = 400V 3p+N+G at 50Hz/60Hz
- Max. voltage drop at 50Hz is -20% and + 10%
- Max. voltage drop at 60Hz is -20% and + 10%
- Maximum switching capacity 3.3 amps / 1,5kw at 400V
  4.6 amps / 1,1kw at 230V

MODELS PLE-30-041 / PLE-30-042

- Operating voltage = 400V, 3p+N+G at 50Hz
- Maximum max. voltage drop at 50Hz is -20% and + 10%
- Maximum switching capacity 1.6 / 2.5 amps max. 1kw per hoist

IDENTIFICATION

Prolyft controllers can be identified by the model number on the front side. These numbers refer to the information in the user manual and the CE declaration of conformity.

CODE	DESCRIPION	DIMENSION	WEIGHT
PLE-30-040	4-way controller basic 19" version	Width 483mm Height 180mm Depth 400mm	9,3 Kg
PLE-30-080	8-way controller basic 19" version	Width 483mm Height 180mm Depth 400mm	10,75 Kg
PLE-30-041	4-way controller "master" 19" version with thermal motor protectors	Width 483mm Height 180mm Depth 400mm	14,5 Kg
PLE-30-042	4-way controller "slave" 19" version with thermal motor protectors	Width 483mm Height 180mm Depth 400mm	11,5 Kg

ELECTRICAL CONNECTIONS

Prolyft can supply a full range of cabling to make your system work. Cabling should comply with the applicable standards. Decent plugs should be used. All cabling should be tested on functionality and resistance in Ohms. Failures in cabling and plugs could cause mall function of the hoist and controllers.

Connection data of C-form plugs and Multi plugs

WARNING:

Wiring tables should be respected at any time to avoid damage to the hoist and controllers

MAINS POWER CABLE			
Wire	**Colour / EU**	**Colour / US**	**Pin**
L1 / U1	Brown	Brown	1
L2 / V1	Black	Black	2
L3 / W1	Grey/Black	Black	3
PE / ground	Yellow/Green	Yellow/Green	GND
Zero	Blue	Blue	N

MOTOR CABLE			
Wire	**Colour / EU**	**Colour / US**	**Pin**
L1 / U1	Brown	white	1
L2 / V1	Blue	Blue	2
L3 / W1	Grey/Black	Red	3
PE / ground	Yellow/Green	Green	GND

LOW VOLTAGE CONTROL CABLE			
Wire	**Colour / EU**	**Function**	**Pin**
L1	Brown	110Vac	1
L2	Blue	Up	2
L3	Black	Down	3
PE / ground	Yellow/Green		GND

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PICKLE FOR LOW VOLTAGE CONTROL			
Wire	**Colour / EU**	**Function**	**Pin**
L1	Brown	110Vac	1
L2	Blue	Up	2
L3	Grey/Black	Down	3
PE / ground	Yellow/Green		GND

BRAKE INS / BRAKE OUTS		
Wire	**Colour / EU**	**Pin**
MOTOR 1		
L1	Brown	1
L2	Black	2
L3	Black	3
GND	Yellow/Green	4
MOTOR 2		
L1	Brown	5
L2	Black	6
L3	Black	7
GND	Yellow/Green	8
MOTOR 3		
L1	Brown	9
L2	Black	10
L3	Black	11
GND	Yellow/Green	12
MOTOR 4		
L1	Brown	13
L2	Black	14
L3	Black	15
GND	Yellow/Green	16+pe

MULTI CABLES		
Wire	**Colour / EU**	**Pin**
L1	1	1
L2	2	2
L3	3	3
GND	4	4
L1	5	5
L2	6	6
L3	7	7
GND	8	8
L1	9	9
L2	10	10
L3	11	11
GND	12	12
L1	13	13
L2	14	14
L3	15	15
GND	16	16+pe

MAX. CABLE LENGTH in Meters				
LIFTING CAPACITY PROLYFT HOIST	**1,5mm2 cords**		**2,5mm2 cords**	
	400V/50hz	230v/50hz	400V/50hz	230v/50hz
250KG	230	75	255	80
500 KG	100	40	110	45
1000KG	65	25	75	25
2000KG	65	25	75	25

The table above gives an indication of the maximum length of cables between controller and hoist. Lengths are calculated in accordance to EN 60204 and for the worst case situation.
If power cords with 1,5q/mm wires are connected to 2,5q/mm wired cords the one with the smallest cross section determines the maximum length.
The charts have been calculated with a maximum voltage drop of 5%.

DO'S AND DON'TS

Do's

- Use the controller within the technical scope of the FEM class of the Prolyft hoist. Longer operating time could severely damage controller and hoist.
- Mount the controller in a protective casing
- Handle the controller only by the grips of the case
- Store the controller in its normal operating position away from aggressive atmospheres (dust, humidity…).
- Make sure that the controller is always clean and protected from corrosion.
- Only a competent person may install and operate the controller
- Make sure that connecting cables are in good condition and connectors are fitted properly.
- Make sure that connecting cables are always symmetrical fitted.
- If the hoist direction is different from the Up /down indicators on the controller, check intermediary cabling and change phases by means of phase reverse facility in the CEE plug at the main power cord
- Use only original parts in case of repair or replacements.
- During operation of the control, always remain alert. In case of emergency, press the emergency stop button, this will inactivate all functions of the control.
- Before operation, check if the load is correctly fastened and attached to the hook. Do make sure the hook latches, if used, are closed and not supporting any part of the load.
- Make sure you have an unobstructed view on the full travel path of the load.
- Make sure that the load is in the correct position before moving it.
- Make sure that each hoist is an exact vertical position to the load and that the load chain is unobstructed, before operating the controller.
- If used out doors, use sufficient protection against bad weather conditions.
- Use the material under normal working conditions (ambient temperature, atmosphere….)
- Moving a single load or truss system requires experienced and competent operators.
- All the necessary precautions should be taken to ensure a correct distribution of the load and to avoid overloading of a single hoist when multiple hoists are used on one grid. The hoists should be checked individually before they will be moved.
- Notify the responsible and competent person after a dangerous operation or if the hoist seems no to function properly.
- Clear the area from obstacles and people and switch working lights on before operating the controls.
- No people are being allowed under the load.

Don'ts

- Never connect a Prolyft controller to a power source other than specified on the unit.
- Never modify the controller unless the manufacturer has authorised the modification.
- Never modify the values and adjustments of the safety components outside the limits provided in the manual, or without the approval of the manufacturer
- Never try to repair or intervene on the controller without the authorisation of the manufacturer or a qualified electrician.
- No unqualified personnel should operate the controller
- Never connect more hoists then the available number of outlets (channels) or number of selector switches available.
- Do not use additional splitters to connect more than one hoist per channel.
- Avoid shocks or accidental collision with other objects.
- Never open the controller as long as the system is under power.
- Never block, or lock the RUN button in order to continue a movement without manual interference.
- Do not operate the controller if your physical condition does not allow it.
- Never use the controller if it is in bad condition.
- Never use suspected spare parts or parts whose origin is not known.
- Do not subject the controller to brutal shocks.
- Never distract the operator's attention while he is operating the system.
- Do not use the controller for a purpose or in an area for which it is not intended.
- Do not expose the controller to an aggressive atmosphere (temperature, acidity…)
- Do not use the safety components as operation components (emergency button, main fuse switch. etc…)
- Do not use the controls needlessly (avoid inching – stop-start operation of the buttons). This can cause overheating and even damage to the hoist.
- Do not change the operating direction whilst the RUN button is pressed (hoist under power).
- If the hoist direction doesn't match with the indications on the controller, don't change phases inside the controller but check the interconnecting cables or the individual hoist, after having disconnected all power cables.
- Never use hoists who are running in the opposite direction of the selected direction.
- Do not connect the controller to an unknown power supply; check if the power source matches the specifications of the controller and the hoists. (under voltage or over voltage =/- 5%, absence of phase etc.…)

WARNING

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH IF NOT FOLLOWED COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL AND ANY PROVIDED WITH THE EQUIPMENT BEFORE ATTEMPTING TO OPERATE YOUR PROLYFT HOIST.

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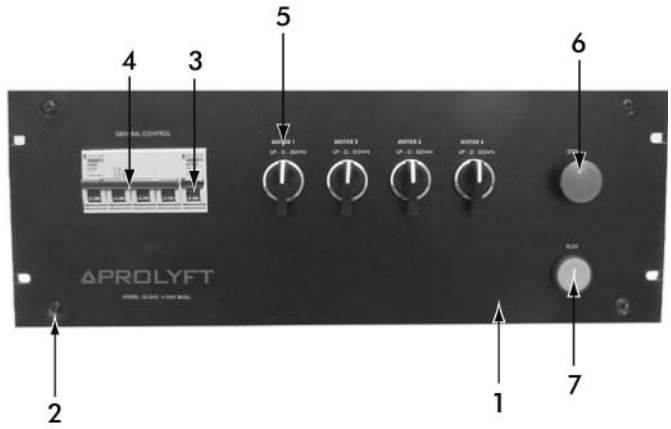
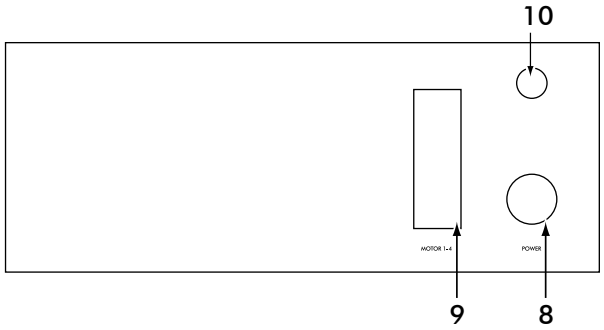
PLE-030-040
4-WAY FOR DIRECT CONTROLLED HOIST



FRONT SIDE

1. 19" rack 4HE housing
2. Front plate release bolts
3. Mains switch 3 phase short circuit breaker
4. Short circuit protection for power and control
5. Up-0-Down switch for pre-selecting the individual hoist direction
6. Emergency button
7. Run button



BACKSIDE

8. Power cable of 100cm with 32A-5p CEE plug with phase reverse plug
9. Output HARTING 16p connector
10. Link option to daisy link multiple controllers for operating lager quantity of hoist with Hirschmann CA3LS connector

FUNCTIONAL DESCRIPTION:

1. Measure the main power supply to be sure the operating voltage is correct and all the phases are present
2. Release the emergency button by turning it anti-clockwise
3. Connect the controller to the power supply and switch it on using the main switch
4. Connect power cords to each of the hoists to be operated. 4 single cords can be connected to one multi cord.
5. Connect the power cords to the controller by using a break-out (HARTING 16p > 4 x 16A 4p) or connect the multi cord to the controller.
6. Link the controllers if you want to operate more than 4-channels using one "run-button".
7. Check if the pre-selection switches for all hoist are in the "0 " position
8. Select a hoist and switch it in the up or down direction. Press the run button for 2 seconds to make sure the hoist has power and if the running direction of the hoist matches the selected direction on the controller.
9. If the direction of the hoist is not correct, change phases using the phase change plug on the power cable.
10. If individual hoist run in the wrong direction, check intermediate cabling or check the hoist.
11. Make sure that the load to be lifted is in the correct position
12. Clear the area from obstacles
13. No people are allowed under the load. Make sure all people have left the operating area before you start to move any load.
14. Make sure you have an unobstructed view on the full travel path of the load.
15. Pre-Select all hoist needed in the up or down direction
16. Press the run button to activate all hoists and hold it till the load has reached the desired height. It may be necessary to level the rig at certain stages.
17. Never press the run button staccato. This can severely damage controller and hoist.
18. If the desired height is reached release the run button, and switch of the mains power switch.
19. In case more hoist need to be operated than the controller allows, you can daisy link two or more controllers by means of the link cable. The emergency breaker only works for the controller from which the breaker is pushed!

Note! NEVER change the running direction of a hoist when the run button is pushed

WARNING

- **Use only cable and connectors, which are in good condition**
- **Never connect more than one hoist per channel**
- **Not respecting this manual can cause severe injury or even death**

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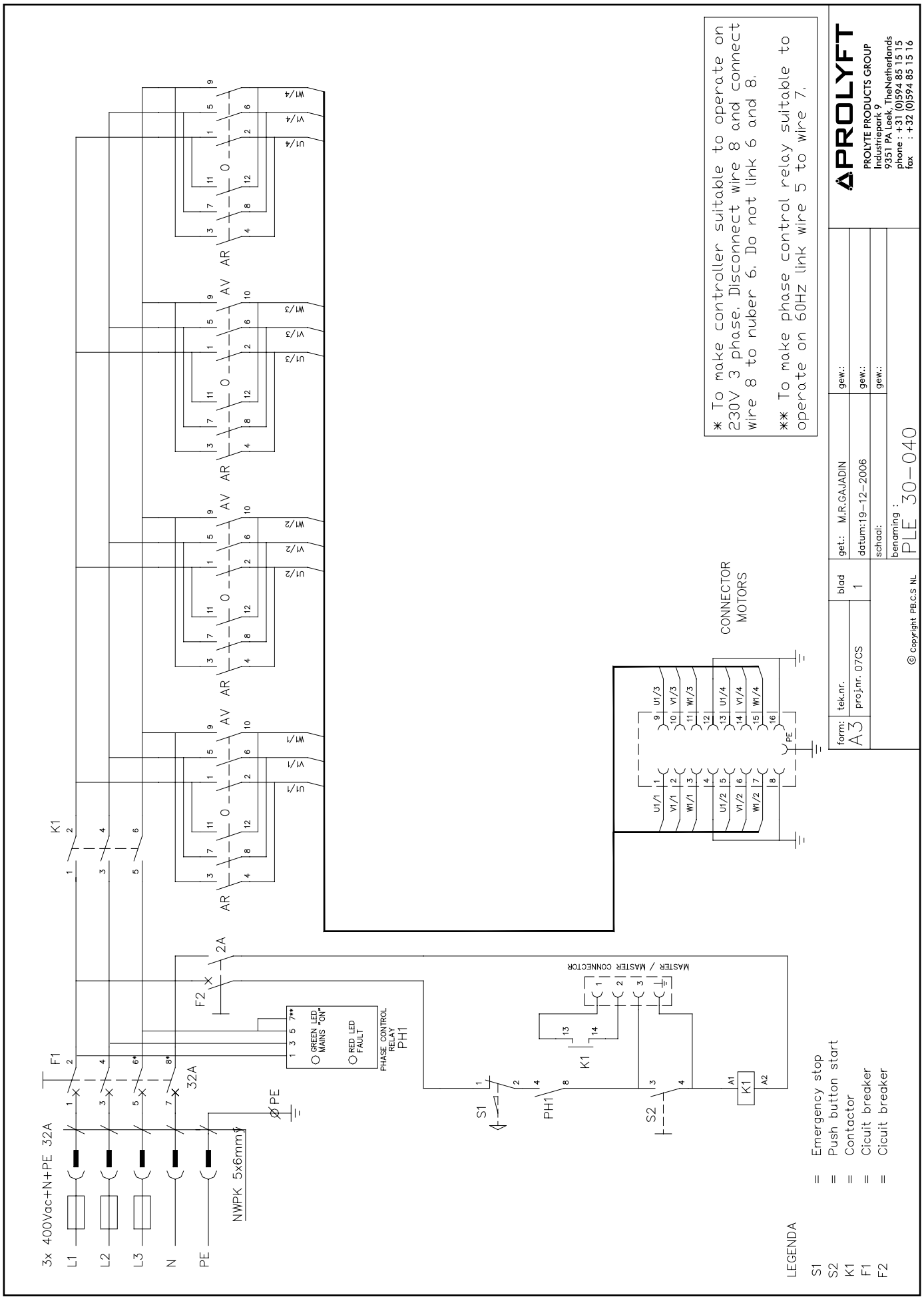
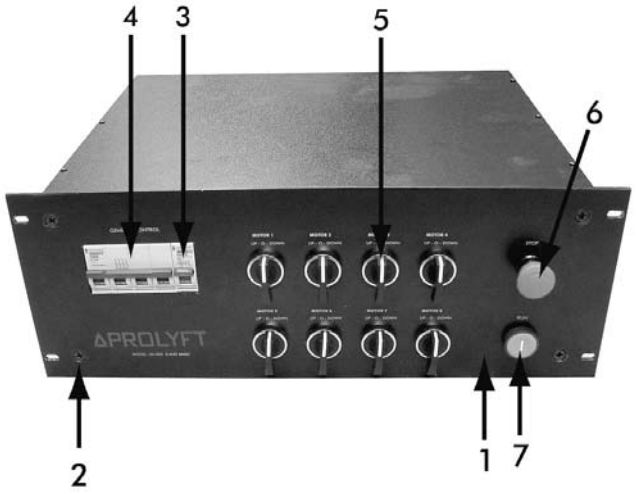
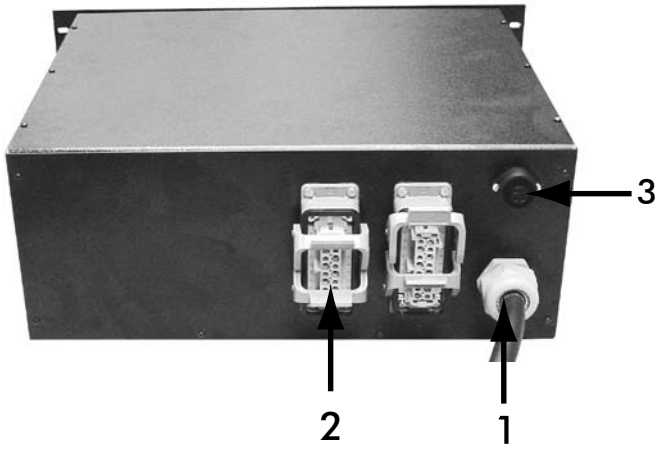


PLE-030-080
8-WAY FOR DIRECT CONTROLLED HOIST



FRONT SIDE

1. 19" 4HE housing
2. Front plate release bolts
3. Mains switch 3 phase short circuit breaker
4. Short circuit protection for power and control
5. Up-0-Down switch for pre-selecting the individual hoist direction
6. Emergency button
7. Run button



BACKSIDE

8. Power cable of 100cm with 32A-5p CEE plug with phase reverse plug
9. 2 x Output HARTING 16p connector
10. Link option to daisy link multiple controllers for operating lager quantity of hoist with Hirschmann CA3LS connector

FUNCTIONAL DESCRIPTION:

1. Measure the main power supply to be sure the operating voltage is correct and all the phases are present
2. Release the emergency button by turning it anti-clockwise
3. Connect the controller to the power supply and switch it on using the main switch
4. Connect power cords to each of the hoists to be operated. 4 single cords can be connected to one multi cord.
5. Connect the power cords to the controller by using a break-out (HARTING 16p > 4 x 16A 4p) or connect the multi cord to the controller.
6. Link the controllers if you want to operate more than 4-channels using one "run-button".
7. Check if the pre-selection switches for all hoist are in the "0 " position
8. Select a hoist and switch it in the up or down direction. Press the run button for 2 seconds to make sure the hoist has power and if the running direction of the hoist matches the selected direction on the controller.
9. If the direction of the hoist is not correct, change phases using the phase change plug on the power cable.
10. If individual hoist run in the wrong direction, check intermediate cabling or check the hoist.
11. Make sure that the load to be lifted is in the correct position
12. Clear the area from obstacles
13. No people are allowed under the load. Make sure all people have left the operating area before you start to move any load.
14. Make sure you have an unobstructed view on the full travel path of the load.
15. Pre-Select all hoist needed in the up or down direction
16. Press the run button to activate all hoists and hold it till the load has reached the desired height. It may be necessary to level the rig at certain stages.
17. Never press the run button staccato. This can severely damage controller and hoist.
18. If the desired height is reached release the run button, and switch of the mains power switch.
19. In case more hoist need to be operated than the controller allows, you can daisy link two or more controllers by means of the link cable. The emergency breaker only works for the controller from which the breaker is pushed!

Note! NEVER change the running direction of a hoist when the run button is pushed

WARNING

- **Use only cable and connectors, which are in good condition**
- **Never connect more than one hoist per channel**
- **Not respecting this manual can cause severe injury or even death**

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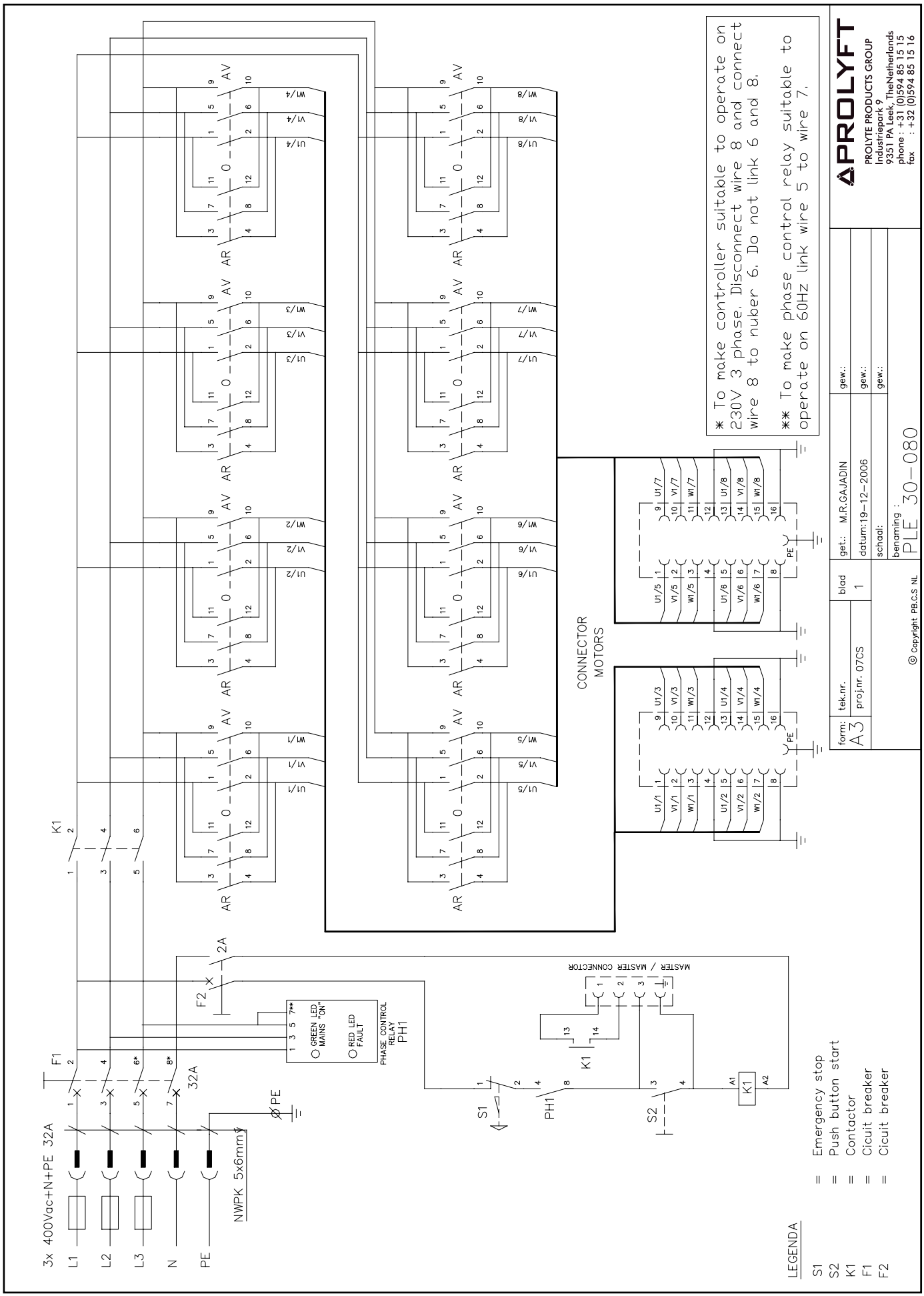
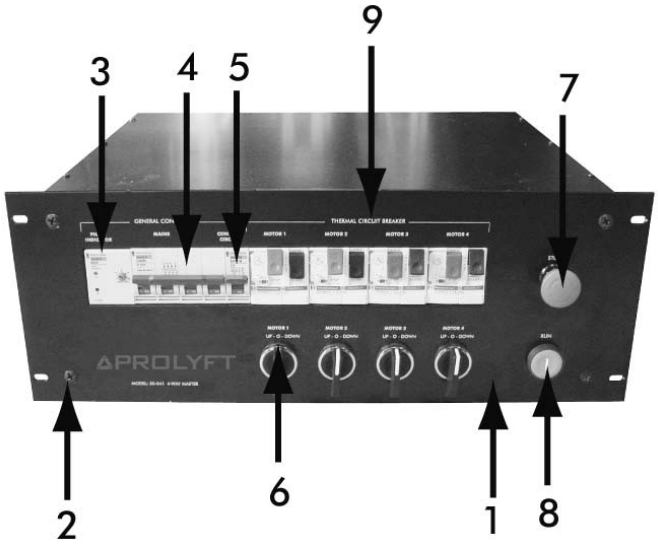
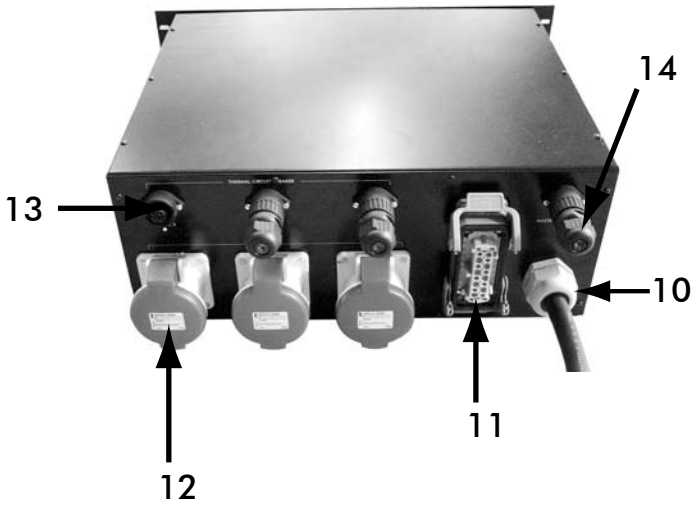


PLE-030-041
4-WAY FOR DIRECT CONTROLLED HOIST WITH THEMAL MOTOR PROTECTORS



FRONT SIDE MASTER

1. 19" 4HE housing
2. Front plate release bolts
3. Phase reverse or failure detection for incoming power
4. Mains switch 3 phase short circuit breaker
5. Short circuit protection for power and control
6. Up-0-Down switch for pre-selecting the individual hoist direction
7. Emergency button
8. Run button
9. Thermal motor protector



BACKSIDE MASTER

10. Power cable of 100cm with 32A-5p CEE plug with phase reverse plug
11. Output HARTING 16p connector
12. Power Input for slave
13. Control input for slave
14. Link option to daisy link multiple controllers for operating lager quantity of hoist with Hirschmann CA3LS connector

FUNCTIONAL DESCRIPTION:

This system is based on a master controller that can be extended with maximum of 3 slaves controllers. Each master or slave unit has 4 control channels. The master and slave units can be combined to a maximum of 16 control channels. If more channels are needed, individual masters can be interlinked. Multi channel control up to as many channels as needed can be created in this way. A master unit can operate in a stand-alone modus; a slave unit needs a master unit in order to function. This type of controller fully complies with the BVG D8 and BVG D8+ regulations and all the requirements that follow from those regulations.

1. Determine the amount of control channels needed and connect the required amount of slaves to the Master unit.
2. Connect the slave unit with master by both plugging in the 4p-16A-CEE connector and the 4p control cable.
3. Check if the master to master link (5) has a daisy chain plug fitted into the connector. The plug should only be removed if the master is linked to another master, and is replaced with the daisy link cable.
   If the daisy chain plug is NOT fitted in the master to master link connector (5), your controller will not work. The control power will be interrupted.
4. Measure the main power supply to be sure the operating voltage is correct and all the phases are present.
5. Release the emergency button by turning it anti-clockwise.
6. Connect the controller to the power supply and switch it on using the mains switch.
7. Check the phase failure detection. In case of a missing phase and/or reversed phase the indicator lights RED. Check the phases and if needed reverse them by using the phase reverse plug.
8. Switch the controller of by using the mains switch
9. Adjust the thermal motor protector to the amperage corresponding with the type of hoist used. For the Prolyft hoist this is 1.9 amps. Switch the controller on using the mains switch.
10. Connect power cords to each of the hoists to be operated. 4 single cords can be connected to one multi cord.
11. Connect the power cords to the controller by using a break-out (HARTING 16p > 4 x 16A 4p) or connect the multi cord to the controller.
12. Check if the pre-selection switches for all hoist are in the "0"position.
13. Select a hoist and switch it in the up or down direction. Press the run button for a 2 seconds to make sure the hoist has power and if the running direction of the hoist matches the selected direction on the controller.
14. If the direction of the hoist is not correct, change phases using the phase change plug on the power cable.
15. If individual hoist run in the wrong direction, check interme diate cabling or check the hoist.
16. Make sure that the load to be lifted is in the correct position
17. Clear the area from obstacles
18. No people are allowed under the load. Make sure all people have left the operating area before you start to move any load.
19. Make sure you have an unobstructed view on the full travel path of the load.
20. Pre-Select all hoist needed in the up or down direction
21. Press the run button to activate all hoists and hold it till the load has reached the desired height. It may be necessary to level the rig at certain stages.
22. Never press the run button staccato. This can severely damage controller and hoist.

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23. If the desired height is reached release the run button, and switch of the mains power switch.
24. In case more hoists need to be operated, up to 3 slaves (12 channels in total) can be connected to one master, using both the control input for the slave (4) and the power input for the slave (3). Thereby creating a 16 channel controller. Individual masters can be linked as well, using the master to master link (5). Take the daisy chain plug out of the connector and replace it with a daisy link cable, linking two individual masters.
Multi channel control up to as many channels as needed can be created in this way.

Note! NEVER change the running direction of a hoist when the run button is pushed

⚠ WARNING

- **Use only cable and connectors, which are in good condition**
- **Never connect more than one hoist per channel**
- **Not respecting this manual can cause severe injury or even death**

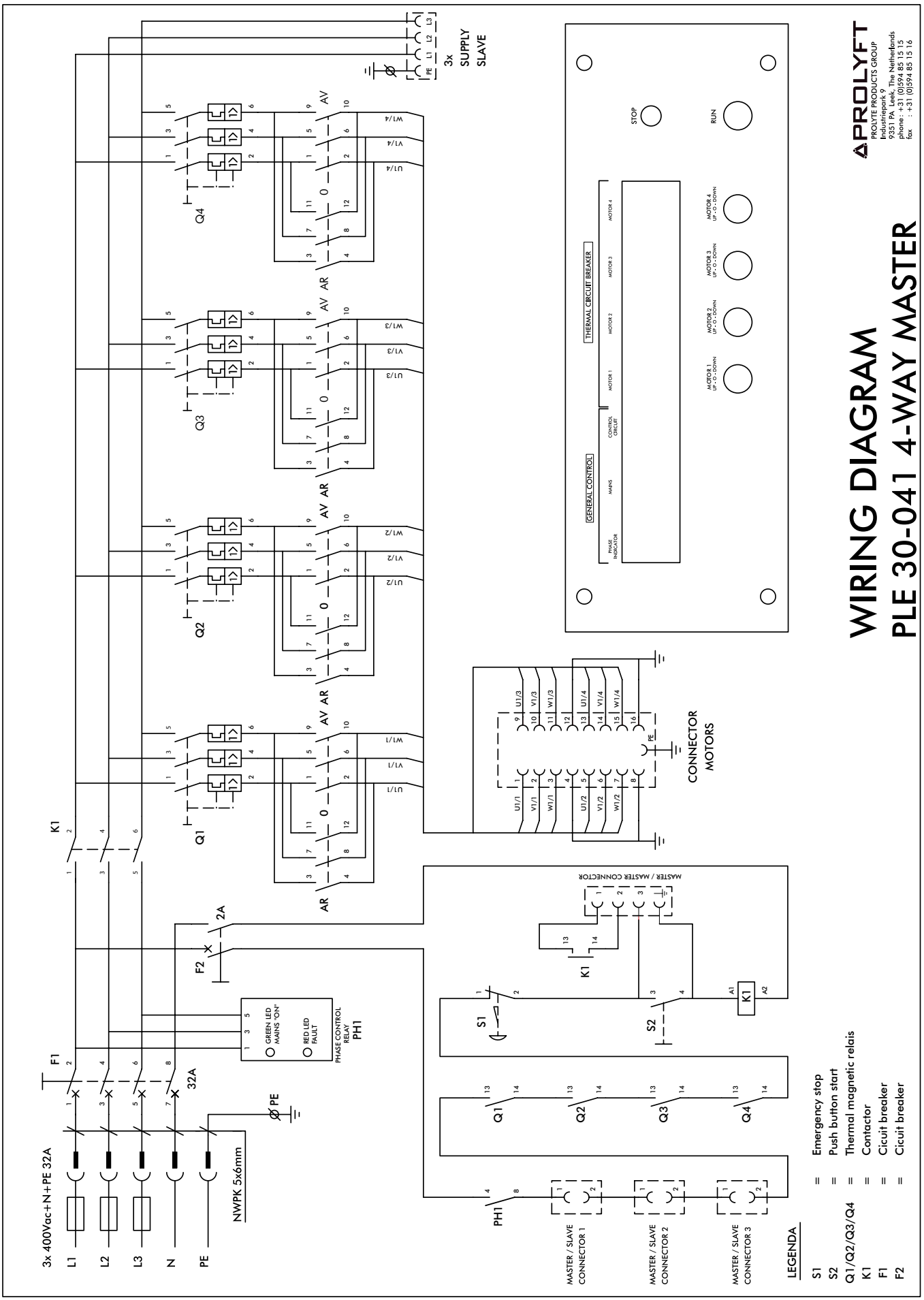
Remote control for master control PLA-35-001

plug PLA-35-003
daisy chain plug for master controller

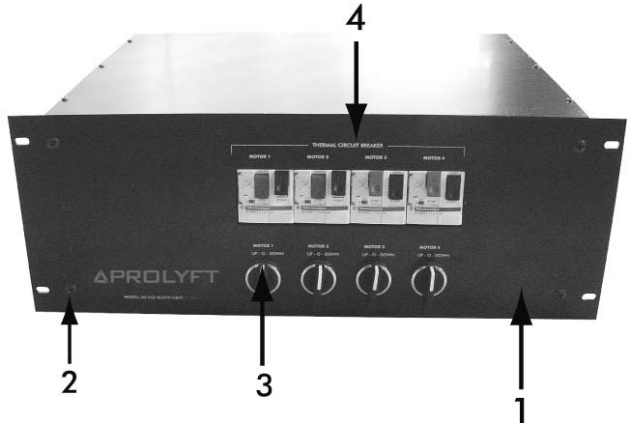
A remote control for the PLE-030-041 master unit is available.
The master and connected slaves can be controlled with this remote unit.
The remote should be plugged into the master to master link connector (5).
The remote works as a run button and emergency stop only.
Individual presets for each hoist have to be made with the pre-set switches (6) first.

Daisy chain plug:
Check if the master to master link (5) has a daisy chain plug fitted into the connector. The plug should only be removed if the master is linked to another master, and is replaced with the daisy link cable.
If the daisy chain plug is NOT fitted in the master to master link connector (5), your controller will not work. The control power will be interrupted.

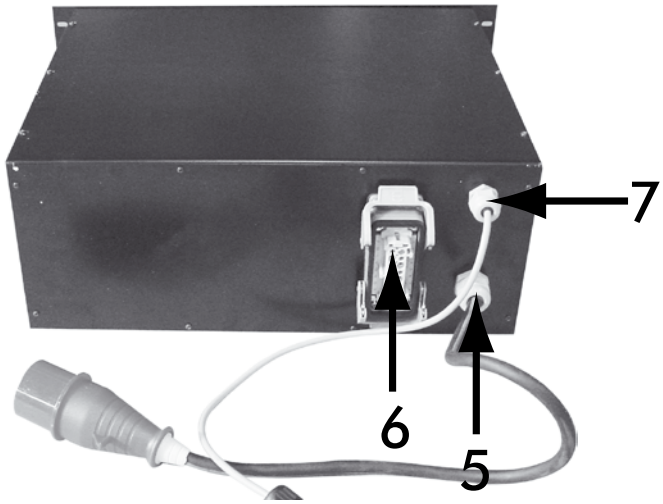
master to Master link cable PLA-35-002



PLE-030-042
4-WAY FOR DIRECT CONTROLLED HOIST WITH THEMAL MOTOR PROTECTORS



FRONT SIDE SLAVE
1. 19" 4HE housing
2. Front plate release bolts
3. Up-0-Down switch for pre-selecting the individual hoist direction
4. Thermal motor protector



BACK SIDE SLAVE
5. Power cable of 100cm with 16A-4p CEE plug w
6. Output HARTING 16p connector
7. Control output to master

FUNCTIONAL DESCRIPTION:

This system is based on a master controller that can be extended with maximum of 3 slaves controllers. Each master or slave unit has 4 control channels. The master and slave units can be combined to a maximum of 16 control channels. If more channels are needed, individual masters can be interlinked. Multi channel control up to as many channels as needed can be created in this way. A master unit can operate in a stand-alone modus; a slave unit needs a master unit in order to function. This type of controller fully complies with the BVG D8 and BVG D8+ regulations and all the requirements that follow from those regulations.

1. Determine the amount of control channels needed and connect the required amount of slaves to the Master unit.
2. Connect the slave unit with master by both plugging in the 4p-16A-CEE connector and the 4p control cable.
3. Measure the main power supply to be sure the operating voltage is correct and all the phases are present.
4. Release the emergency button by turning it anti-clockwise.
5. Connect the controller to the power supply and switch it on using the mains switch.
6. Check the phase failure detection. In case of a missing phase and/or reversed phase the indicator lights RED. Check the phases and if needed reverse them by using the phase reverse plug.
7. Switch the controller of by using the mains switch
8. Adjust the thermal motor protector to the amperage corresponding with the type of hoist used. For the Prolyft hoist this is 1.9 amps. Switch the controller on using the mains switch.
9. Connect power cords to each of the hoists to be operated. 4 single cords can be connected to one multi cord.
10. Connect the power cords to the controller by using a break-out (HARTING 16p > 4 x 16A 4p) or connect the multi cord to the controller.
11. Check if the pre-selection switches for all hoist are in the "0"position.
12. Select a hoist and switch it in the up or down direction. Press the run button for a 2 seconds to make sure the hoist has power and if the running direction of the hoist matches the selected direction on the controller.
13. If the direction of the hoist is not correct, change phases using the phase change plug on the power cable.
14. If individual hoist run in the wrong direction, check interme diate cabling or check the hoist.
15. Make sure that the load to be lifted is in the correct position
16. Clear the area from obstacles
17. No people are allowed under the load. Make sure all people have left the operating area before you start to move any load.
18. Make sure you have an unobstructed view on the full travel path of the load.
19. Pre-Select all hoist needed in the up or down direction
20. Press the run button to activate all hoists and hold it till the load has reached the desired height. It may be necessary to level the rig at certain stages.
21. Never press the run button staccato. This can severely damage controller and hoist.
22. If the desired height is reached release the run button, and switch of the mains power switch.
23. In case more hoists need to be operated, up to 3 slaves (12 channels in total) can be connected to one master, using both the control input for the slave (4) and the power input for the slave (3). Thereby creating a 16 channel controller. Individual masters can be linked as well, using the master to master link (5). Take the daisy chain plug out of the connector and replace it with a daisy link cable, linking to individual masters. Multi channel control up to as many channels as needed can be created in this way.

Note! NEVER change the running direction of a hoist when the run button is pushed

⚠ WARNING

- **Use only cable and connectors, which are in good condition**
- **Never connect more than one hoist per channel**
- **Not respecting this manual can cause severe injury or even death**

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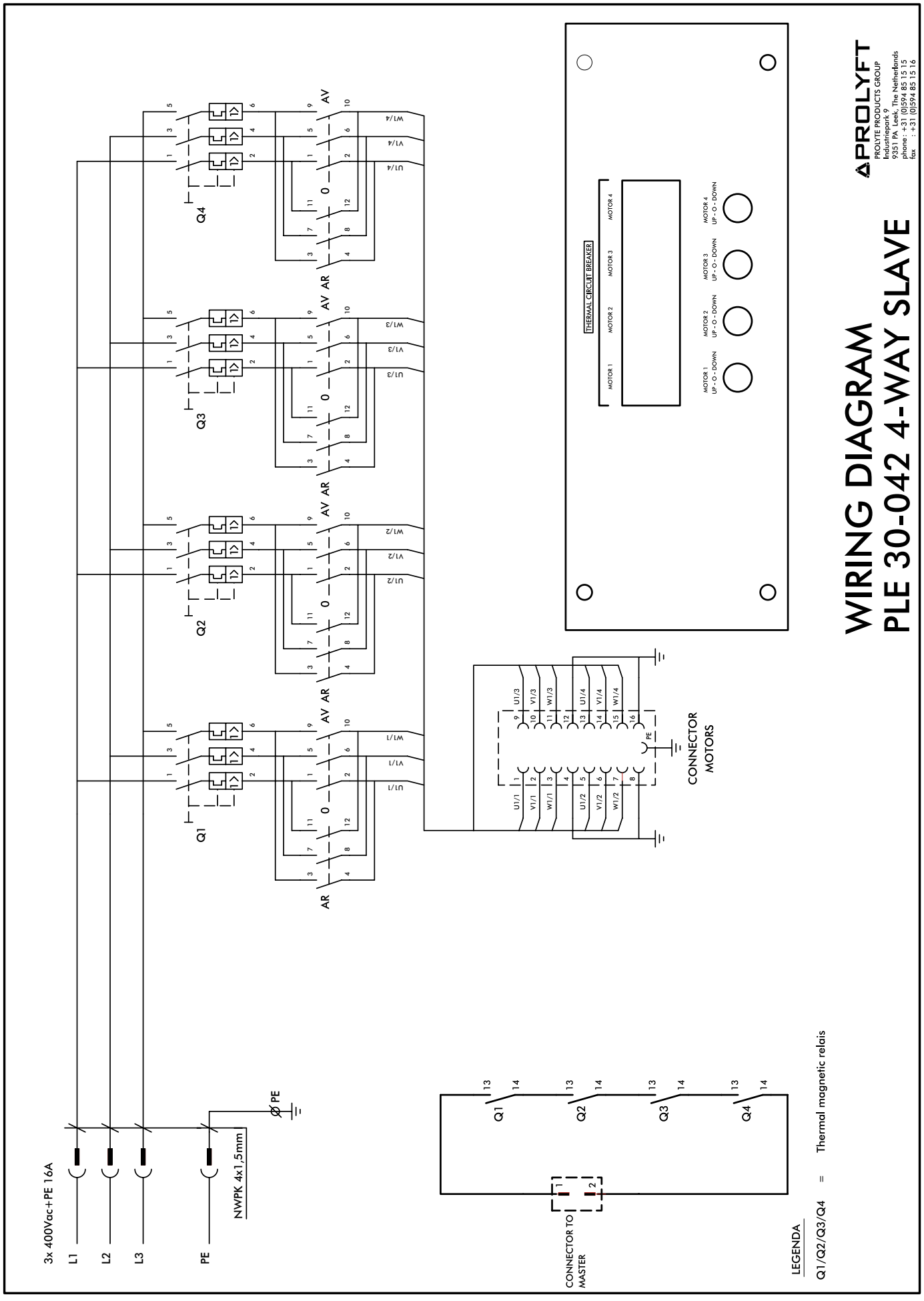

GUARANTEE

1) Prolyft controllers are delivered with a one-year guarantee.
2) If for a reason outside the control of the vendor, the delivery is delayed, the time lag cannot exceed three months.
3) If the use (installation) of the controller is delayed, the corresponding extension of the guarantee (a single extension limited to three months) must be requested, and written confirmation obtained.
4) The vendor undertakes to eliminate all operating errors originating from the concept, the execution, the components or the materials themselves.
5) The guarantee does not cover normal wear, or the failures resulting from abnormal use. It does not cover damage due to a lack of supervision, to false operation or to a bad utilisation of the controller, particularly due to overload, inching, under voltage or over voltage or connecting errors.
6) The guarantee does not apply when there is disassembly, modification or replacement of parts (mechanical or electrical) by an unauthorised party or without our prior agreement.
7) The guarantee only applies for original, factory-installed spare parts. For the duration of the guarantee, the vendor undertakes to replace or repair, free of charge, the parts, in his workshop, that are acknowledged to be damaged following examination by a qualified and authorised service.
8) The guarantee excludes any other services or indemnities. The repairs covered by the guarantee are carried out, as a rule, in the workshops of the vendor or authorised agent. When servicing of the equipment is done outside these workshops, the labour costs for disassembly or assembly of these parts are borne by the vendor when these are done exclusively by his staff or by an authorised agent.
9) The replaced parts become the property of the vendor and must be returned to the vendor at his expense.
10) For components of a relative particular importance that are not manufactured by the vendor and which carry the brand name of specialised manufacturers, the manufacturer's guarantee (which can vary according to the manufacturer) is applicable.

*The guarantee does not apply for expendable parts defined by the manufacturer:

- Fuses
- Contactor contacts

TROUBLE SHOOTING	
Hoists do not respond to the "run" signal	**Solution**
1) Check cabling and connections	Connect properly / measure
2) Corresponding switch is pre-selected in the "0" position	Select "up" or "down"
3) Thermal motor protector is switched off	This can be any of the switches from the connected masters / slaves
4) The thermal motor protector has the wrong setting	Set to 1.9amp for Prolyft hoist
5) Mains switch is switched of	Switch "on"
6) Emergency button is activated	Turn button clockwise to release
7) There is to much resistance in one of the connectors	Measure the resistance in Ohm's of the connectors
The controller doesn't respond	**Solution**
8) Check the power cable	Connect properly / measure
9) Power supply is switched off	Switch "on"
10) Control circuit breaker is switched off	Switch "on "
11) Mains switch is switched of	Switch "on"
12) Emergency button is activated	Turn button clockwise to release
13) Environmental temperatures are to high	Place the controller in a cooler/warmer surrounding
14) There is to much resistance in one of the connectors	Measure the resistance in Ohm's of the connectors
15) The master PLE 30-40 controller does't respond	One of the bridging plugs for the slave controls is missing or has a wrong contact
16) The daisy chain plug is not connected	Put the daisy chain in the connector (5)
One of the slaves doesn't respond	**Solution**
16) Check the power cable	Connect properly/ measure
17) Control cable is not connected	Connect
18) There is to much resistance in one of the connectors	Measure the resistance in Ohm's of the connectors

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PROLYTE PRODUCTS
STAGING - RIGGING - TRUSSING

EG-KONFORMITÄTSERKLÄRUNG FÜR MASCHINEN
(EG-Richtlinie 89/392/EWG, Anhang II, Buchstabe A)

Prolyte Products BV,
Industriepark 9,
9351 PA Leek,
The Netherlands,

erklärt hiermit dass:

Prolyft Kettenzug steurungen codiert als

Prolyft PLE-030-040, PLE-030-080, PLE-030-041 and PLE-030-042

- konform ist mit den einschlägigen Bestimmungen der EG-Maschinenrichtlinie (89/392/EWG, einschließlich Änderungen, 91/368/EWG, 93/44/EWG, 93/68/EWG);

- folgende harmonisierten Normen zur Anwendung gelangten (oder Teile/Klauseln hieraus):
  EN 292-1, EN 292-2, EN 418, EN 294, EN 349, IEC 34-1, IEC 34-2, IEC 946-5-1, IEC 364, EN 60204

Leek, The Netherlands, July 9th 2004

F. Smeding

CEO

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Website: www.prolyte.com

Bank Account: ING 66.21.85.714
VAT: NL8047.98.321.B01
Chamber of Commerce: Groningen 02055000

PROLYTE PRODUCTS
STAGING - RIGGING - TRUSSING

EC-DECLARATION OF CONFORMITY FOR MACHINERY
(Directive 89/392/EEC, Annex II, sub A)

Prolyte Products BV,
Industriepark 9,
9351 PA Leek,
The Netherlands,

Herewith declares that:

Prolyft chain hoist controllers coded as

Prolyft PLE-030-040, PLE-030-080, PLE-030-041 and PLE-030-042

- Is in compliance with the Machinery Directive (89/392/EEC, as amended, 91/368/EEC, 93/44/EEC, 93/68/EEC);

- The following harmonized standards have been applied (or parts/clauses of):
  EN 292-1, EN 292-2, EN 418, EN 294, EN 349, IEC 34-1, IEC 34-2, IEC 946-5-1, IEC 364, EN 60204

Leek, The Netherlands, July 9th 2004

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PROLYTE PRODUCTS
STAGING - RIGGING - TRUSSING

DÉCLARATION CE DE CONFORMITÉ POUR LES MACHINES
(89/392/CEE, Annexe II, point A)

Prolyte Products BV,
Industriepark 9,
9351 PA Leek,
The Netherlands,

déclare que:

Prolyft chain hoist controllers coded as

Prolyft PLE-030-040, PLE-030-080, PLE-030-041 and PLE-030-042

- est en conformité avec la Directive pour les machines (89/392/CEE, modifiée par, 91/368/CEE, 93/44/CEE, 93/68/CEE);

- est en conformité avec les normes européennes harmonisées (parties/paragraphes de): EN 292-1, EN 292-2, EN 418, EN 294, EN 349, IEC 34-1, IEC 34-2, IEC 946-5-1, IEC 364, EN 60204

Fait à, Leek, Nederland, 9 Juillet 2004,

F. Smeding

CEO

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PROLYTE PRODUCTS
STAGING - RIGGING - TRUSSING

DECLARACIÓN CE DE CONFORMIDAD PARA LAS MAQUINAS
(Directiva 89/392/CEE, Anexo II, letra A)

Prolyte Products BV,
Industriepark 9,
9351 PA Leek,
The Netherlands,

declara que:

Prolyft chainhoist controllers coded as

Prolyft
PLE-030-040, PLE-030-080, PLE-030-041 and PLE-030-042

- está en conformidad con la directiva para las maquinas (89/392/CEE, con inclusión de 91/368/CEE, 93/44/CEE, 93/68/CEE);

- está en conformidad con las Normas Europeas armonizadas (o parte de ellas): EN 292-1, EN 292-2, EN 418, EN 294, EN 349, IEC 34-1, IEC 34-2, IEC 946-5-1, IEC 364, EN 60204

Leek, The Netherlands, July 9th 2004

F. Smeding

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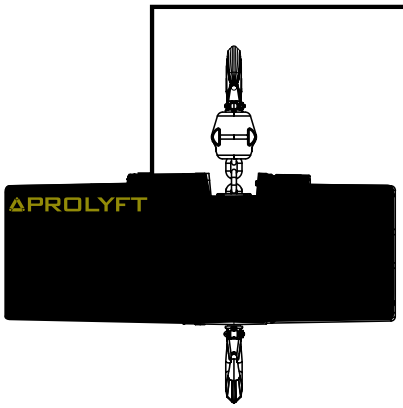
1-WAY HANDHELD



Motor cable:
5 m. PLA-30-05
10 m. PLA-30-10
20 m. PLA-30-20

PLE 30-010

Power input

Power cable:
5 m. PLA-32-05
10 m. PLA-32-10
20 m. PLA-32-20

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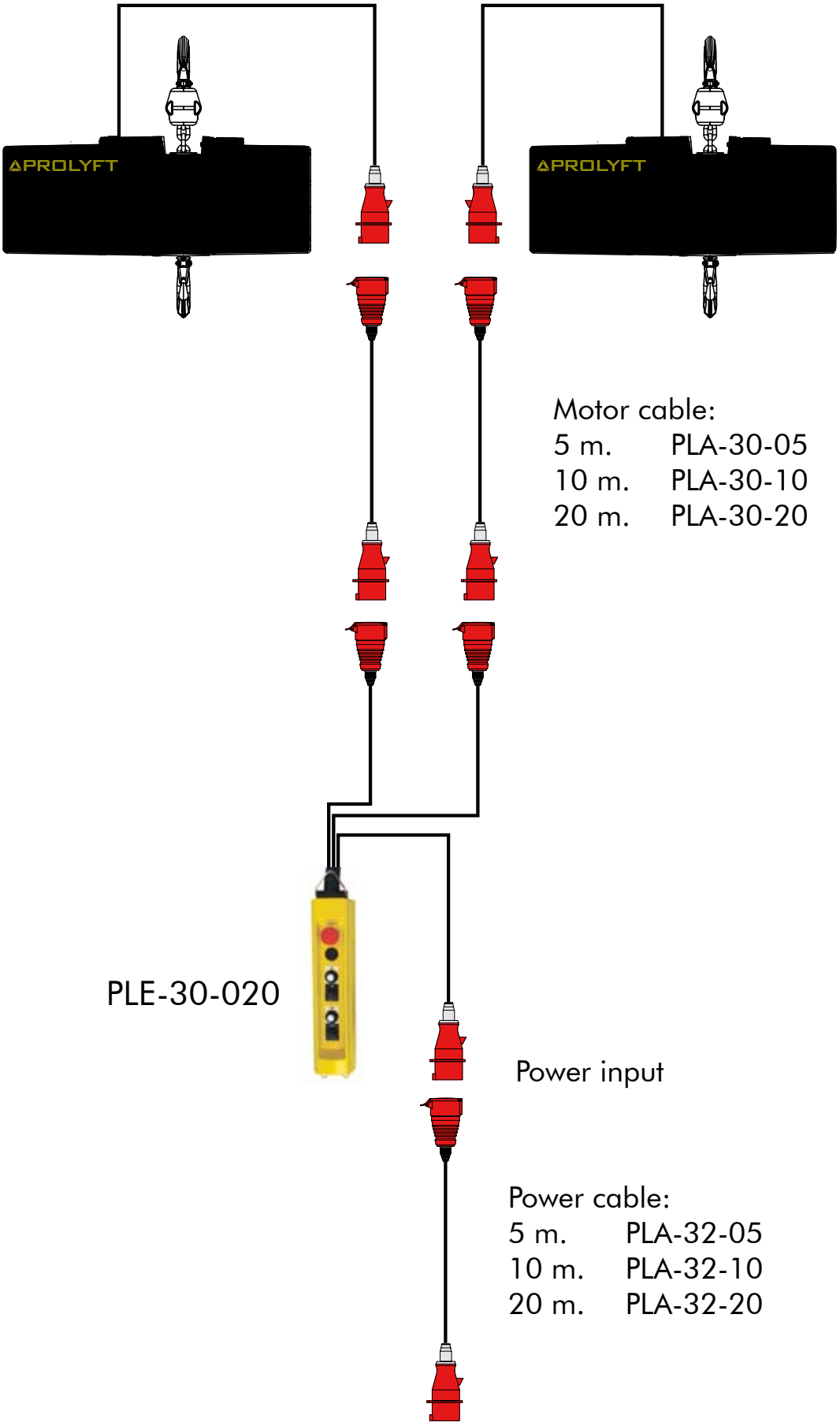
2-WAY HANDHELD



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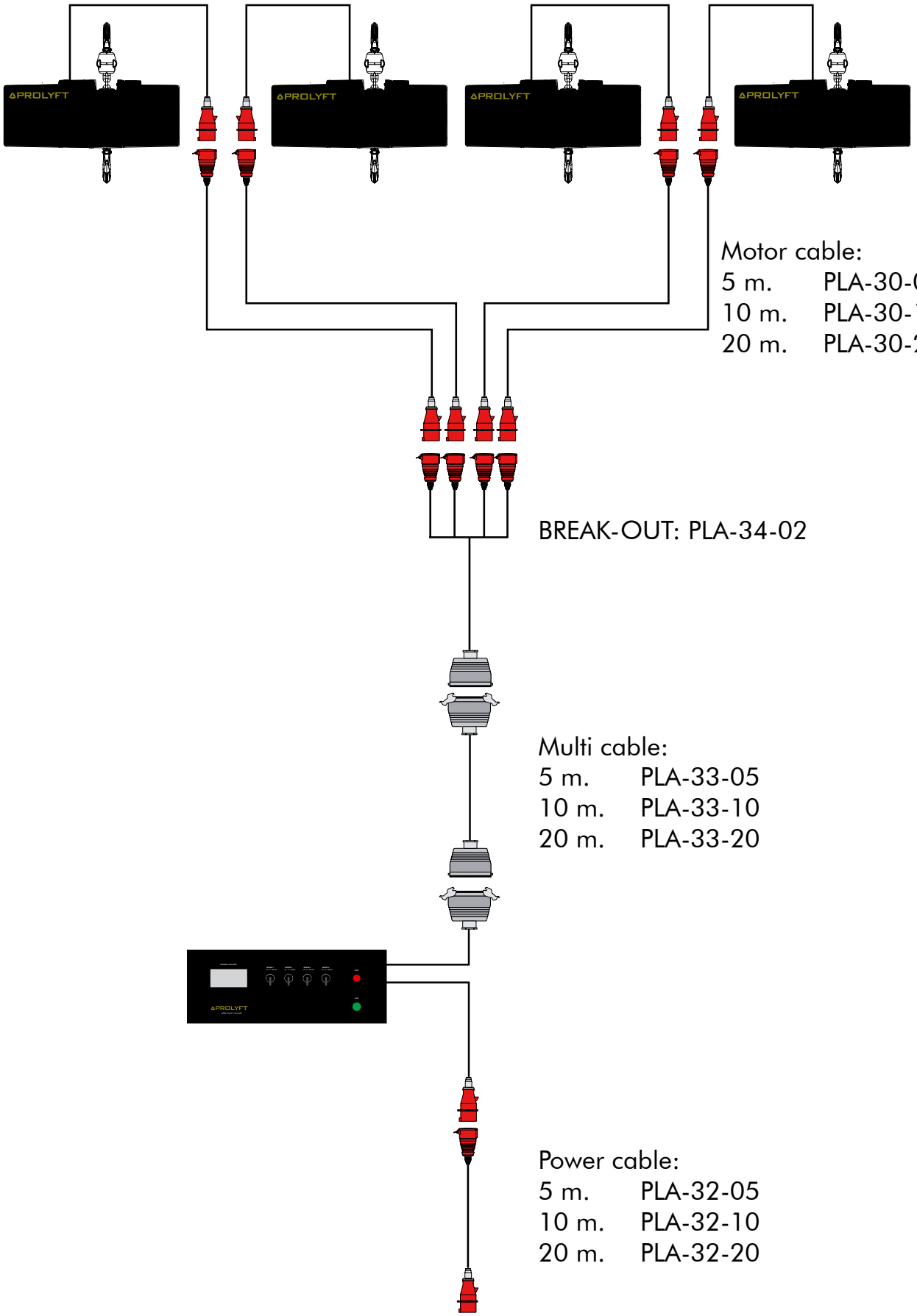
4-WAY BASIC



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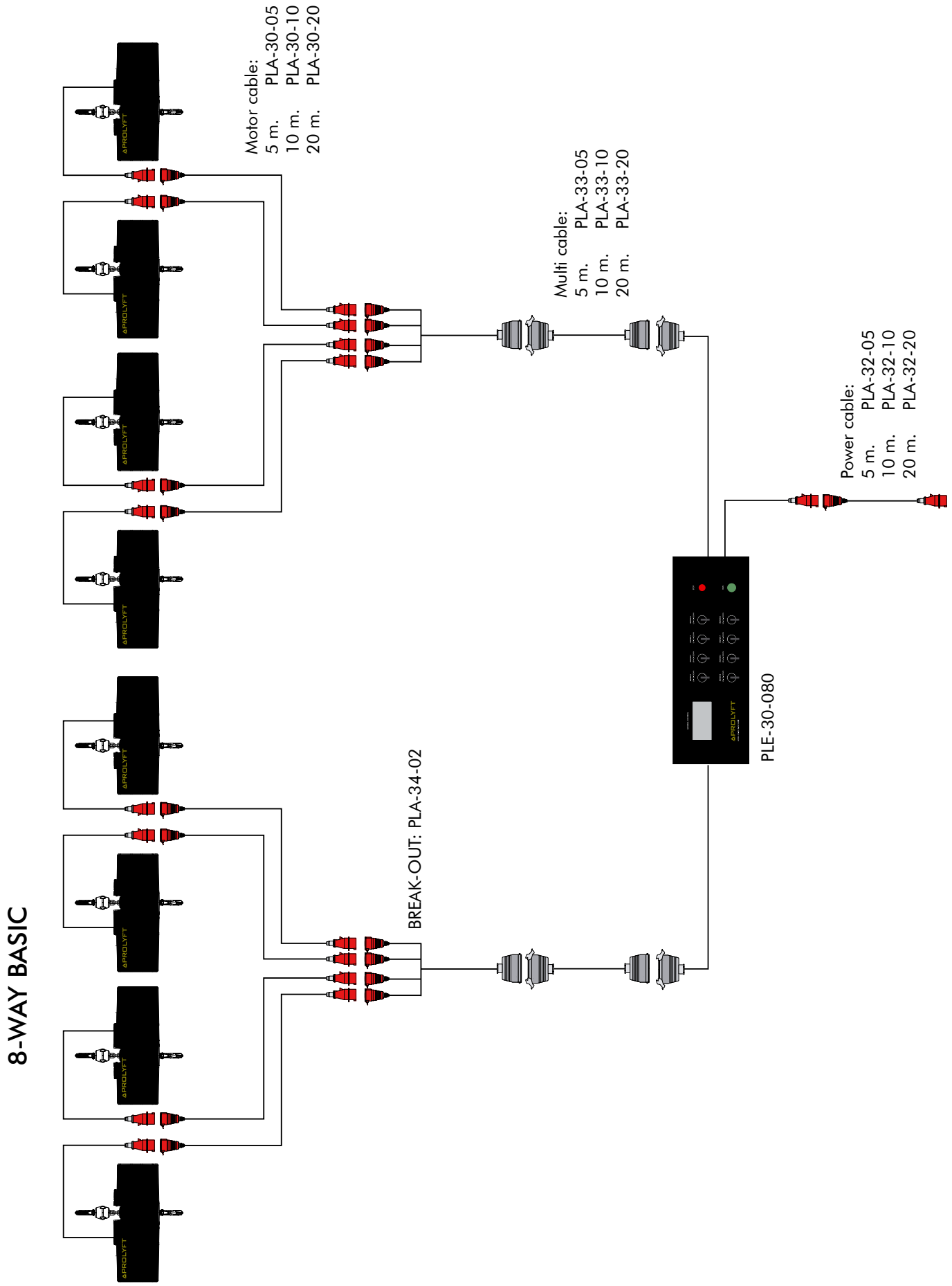

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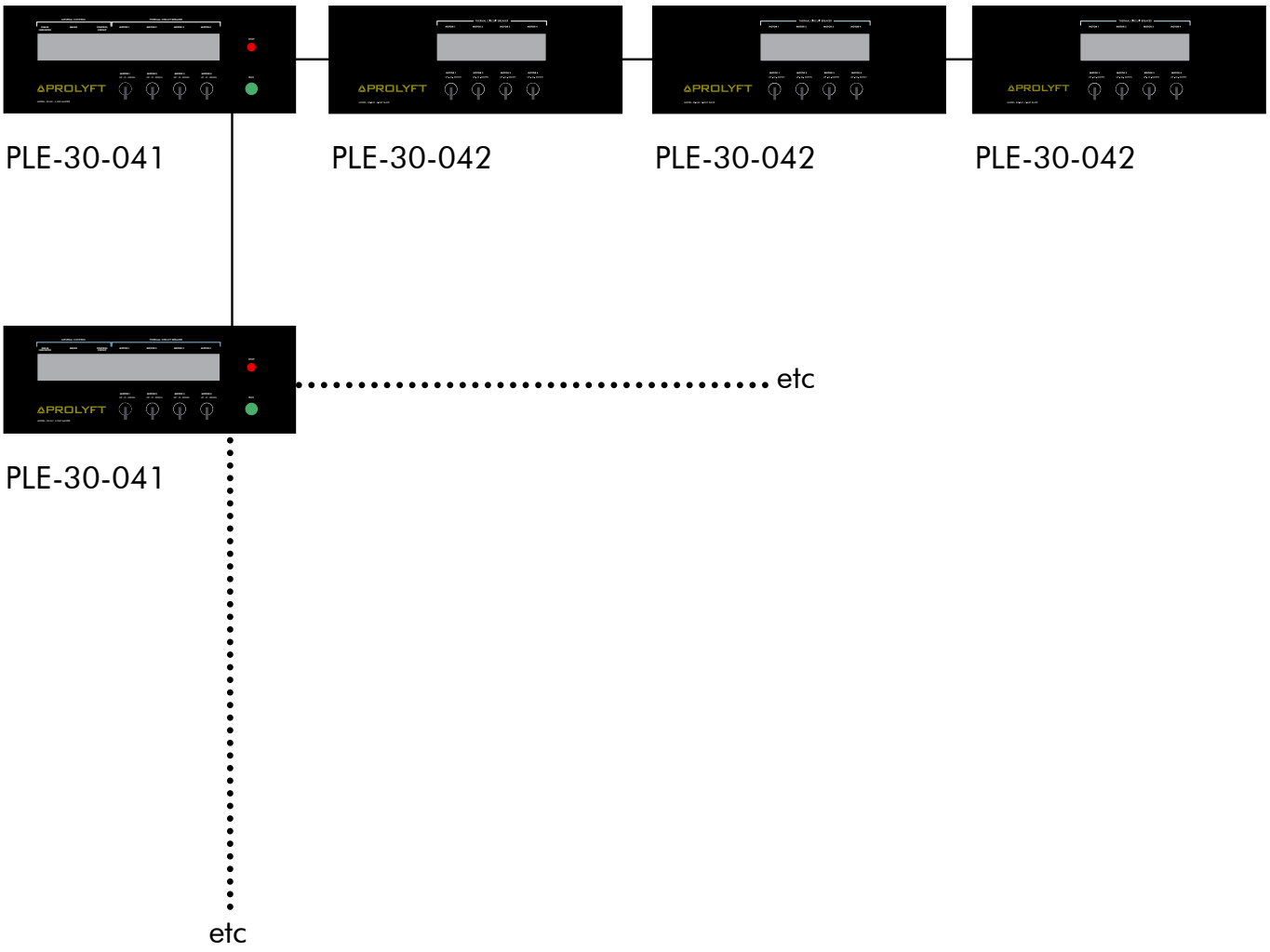
MASTER / SLAVE



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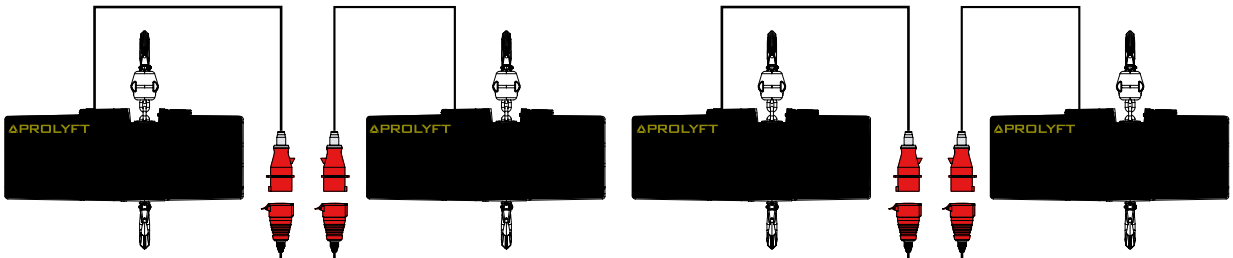
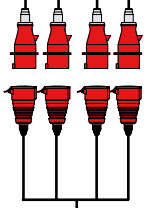
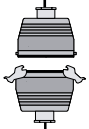
4-WAY BASIC REMOTE



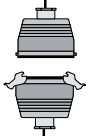
Motor cable:
5 m. PLA-30-05
10 m. PLA-30-10
20 m. PLA-30-20



BREAK-OUT: PLA-34-02

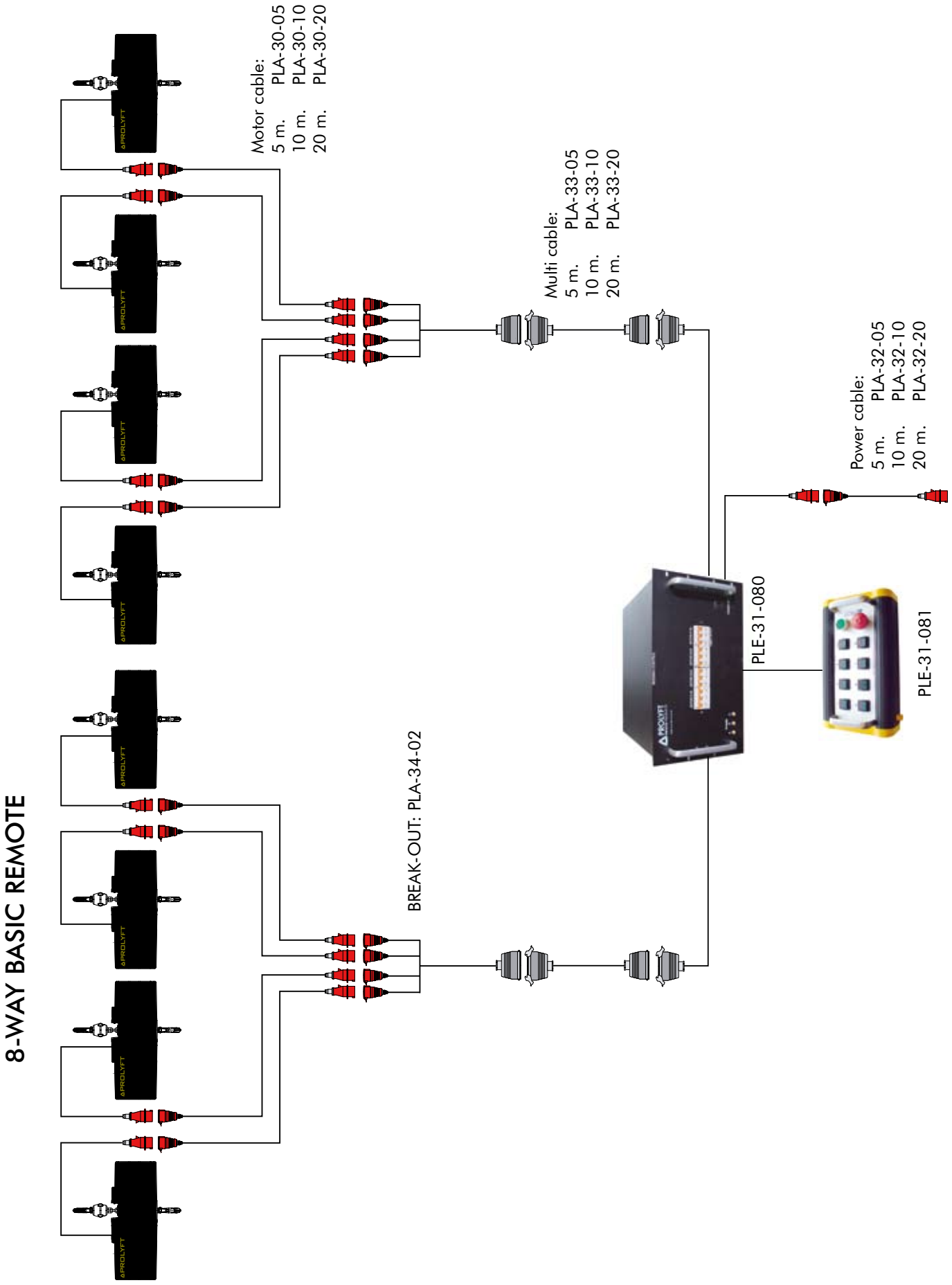


Multi cable:
5 m. PLA-33-05
10 m. PLA-33-10
20 m. PLA-33-20



PLE-31-041

Power cable:
5 m. PLA-32-05
10 m. PLA-32-10
20 m. PLA-32-20



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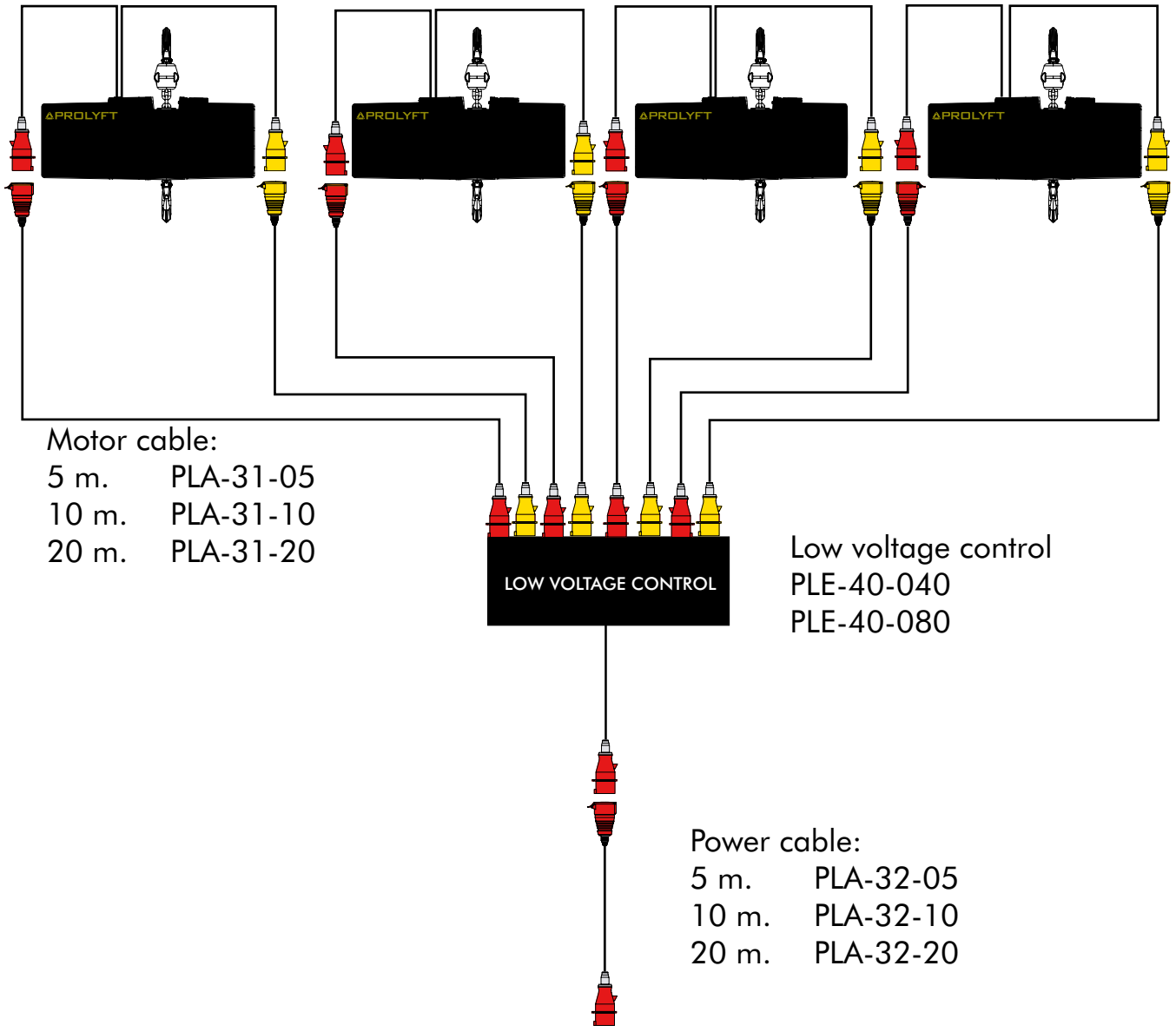
LOW VOLTAGE CONTROL



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