REEL TECH

TECHNICAL DOCUMENT

PDI 50 – Dual Wire Hoist

Key Features :

Lifting weight of up to 50kg

Lowering distance 10m

Safety locking device

Remote controlled

Manual key switch built in

Pre wired terminals

Please note the following warnings!

Warranty is void with non-compliance!

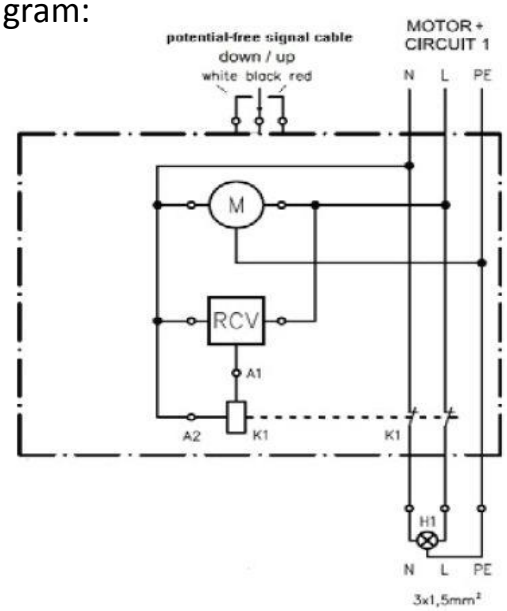
DO NOT operate the lift without the minimum weight or the lift will fail!

DO NOT carry the lift by the cables!

DO NOT apply any external voltage to the signal control wires!

Overview:

Wiring Diagram:



Brand	REELTECH		
Product	PDI 50		
Rated Specifcation		**Lowering / Raising Specifcation**	
Type	HEAVY DUTY	Model	PDI 50
Model	PDI 50	Lifting weight of fitting	15 - 50kg
Option	Standard	Lowering distance (m)	10
Operating voltage	240v 50Hz	Lowering / Raising Speed	2.0/2.5 m/min
Wattage	120w	**Lamp Circuit**	
Dimensions	209x215x283mm	Model	PDI 50
Unit Net Weight	9.5kg	No. Of Circuits	1
Ambient Temperature	-15* to 60*	No. Of Contacts	2
Construction		Lamp Capacity	16 amp
Model	PDI 50		
Protection category	IP54	**Certification**	
Suspension Wire Dia	2.0mm	Standards	ISO9001, ISO14001, ETL, CE, TUV, SAA, GOST

Safety Locking Device :

The Safety locking device provides additional security when the lift is at rest.

Special safety locking jaws engage to take the load off the suspension cables.

The jaws remain locked even in the event of a power failure and only disengage when the lift is operated.

Electrical Contact Plates

Electrical contact is made by way of spring loaded contacts plates within the main unit and fixed contacts in the lowering coupler of the lift.

Upon lowering the lift the internal relay isolates the electrical supply, once in the raised position the relay returns power to the lower contacts

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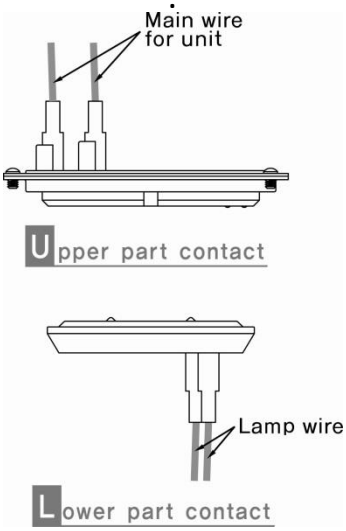
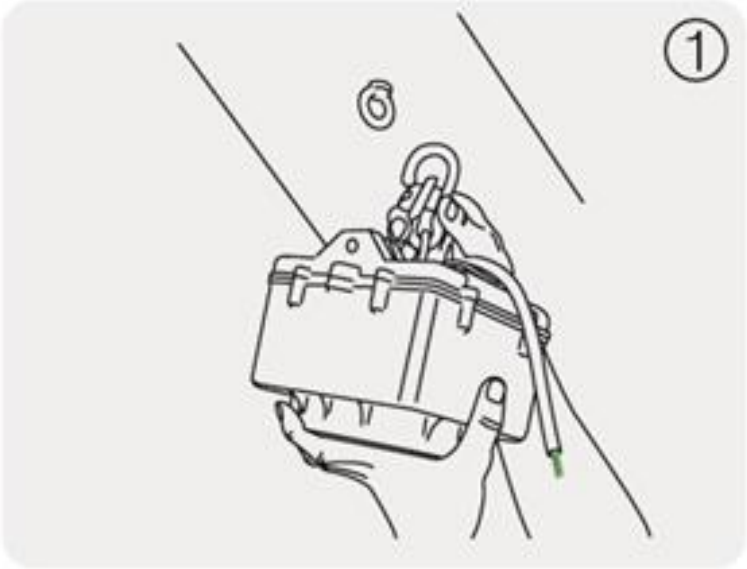
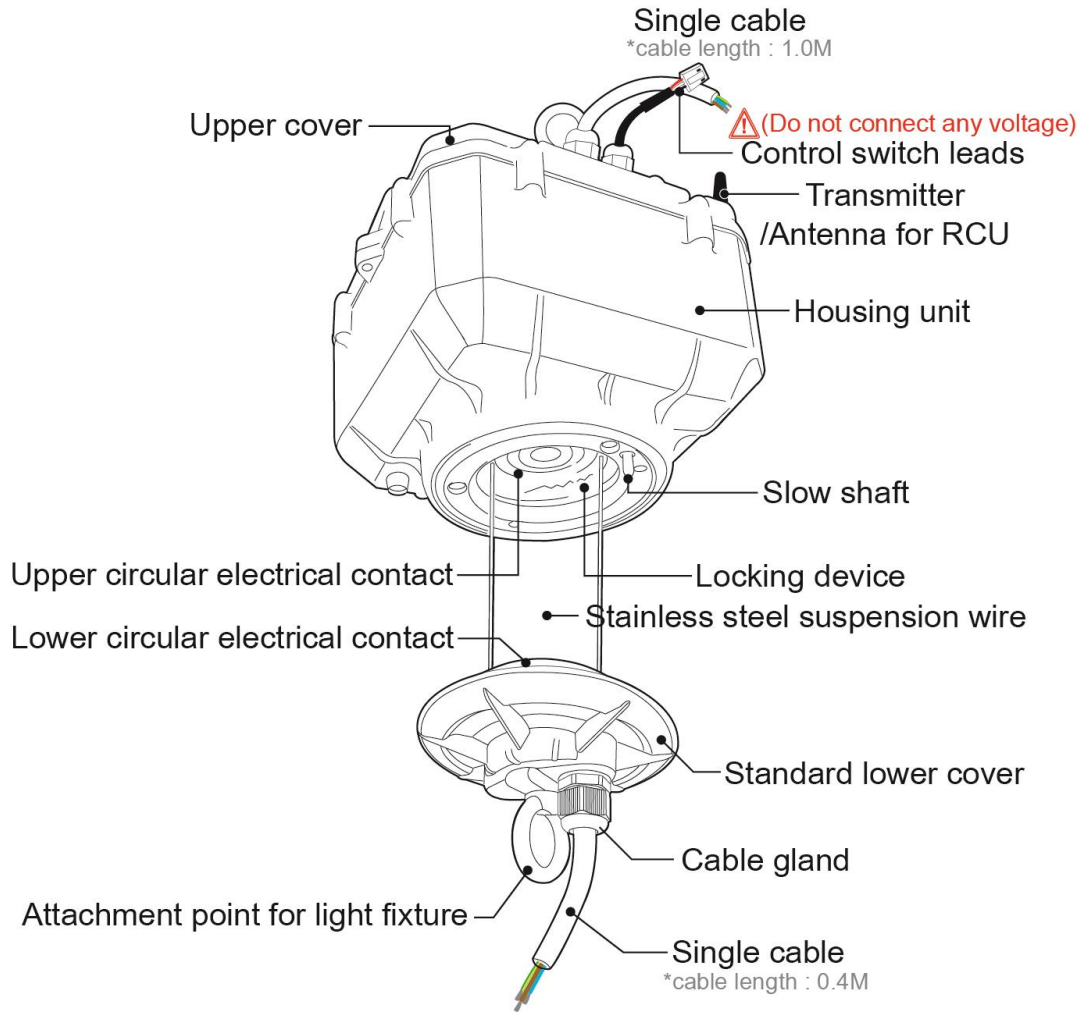


Standard mounting option :

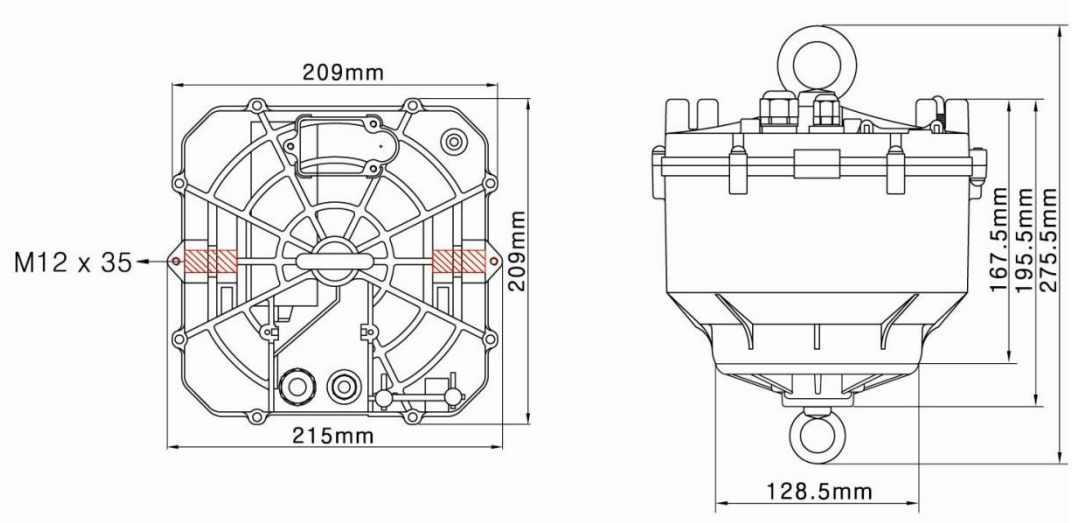
NB* Secondary fixing point or tether maybe required,
If in doubt please consult a structural engineer for advise



Product Overview :



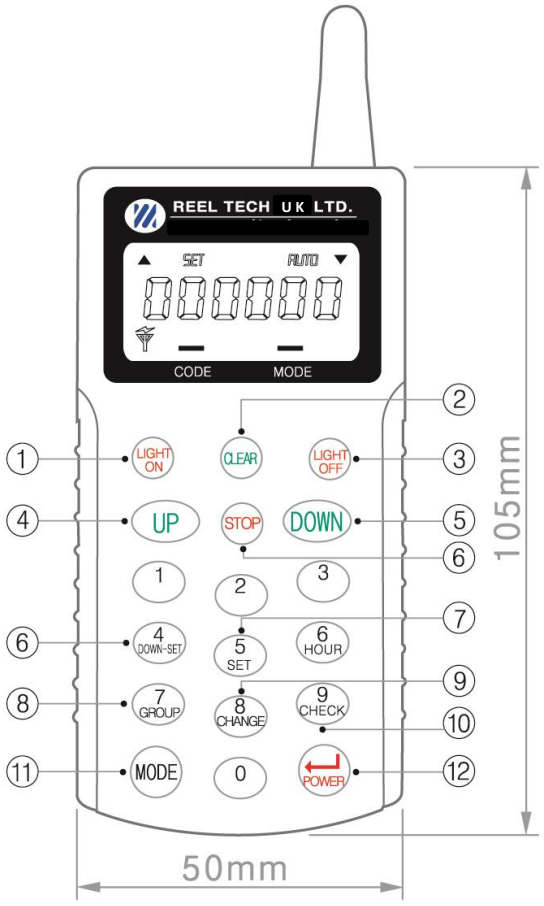
Dimensions :



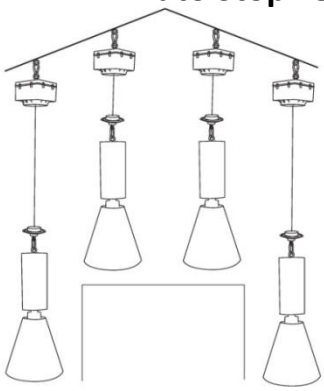
Remote control : or RCU can control up to 999 lift addresses
Each lift has its own integrated radio receiver with a unique serial address.

The RCU operates in the license-free ISM band of 433.92 MHz The range is circa 100 metres.
Lifts can be controlled individually, in pairs or in multiple groups.

1. LIGHT ON — "ON" button for Lighting
2. CLEAR — erase the value
3. LIGHT OFF — "OFF button for Lighting
4. UP — To ascend lifter
5. DOWN — To descend lifter
6. 4 DOWN-SET / STOP — Control button for descending length
7. 5 SET — Set mode is secured by password please contact local retailer or agency
8. 7 GROUP — Group button for group functions
9. 8 CHANGE — Select switch button for unit code and serial number code.
10. 9 CHECK — To check serial number with unit code.
11. MODE — Mode button is used in conjunction with the following buttons
    4 DOWN-SET | 5 SET | 6 HOUR | 7 GROUP | 8 CHANGE | 9 CHECK
12. POWER — Power button for Remote control

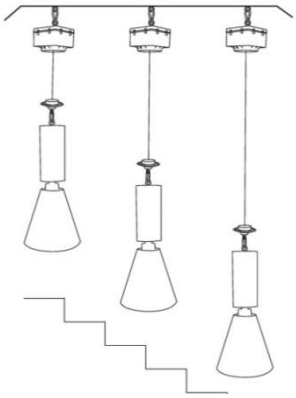


Auto Stop Feature :



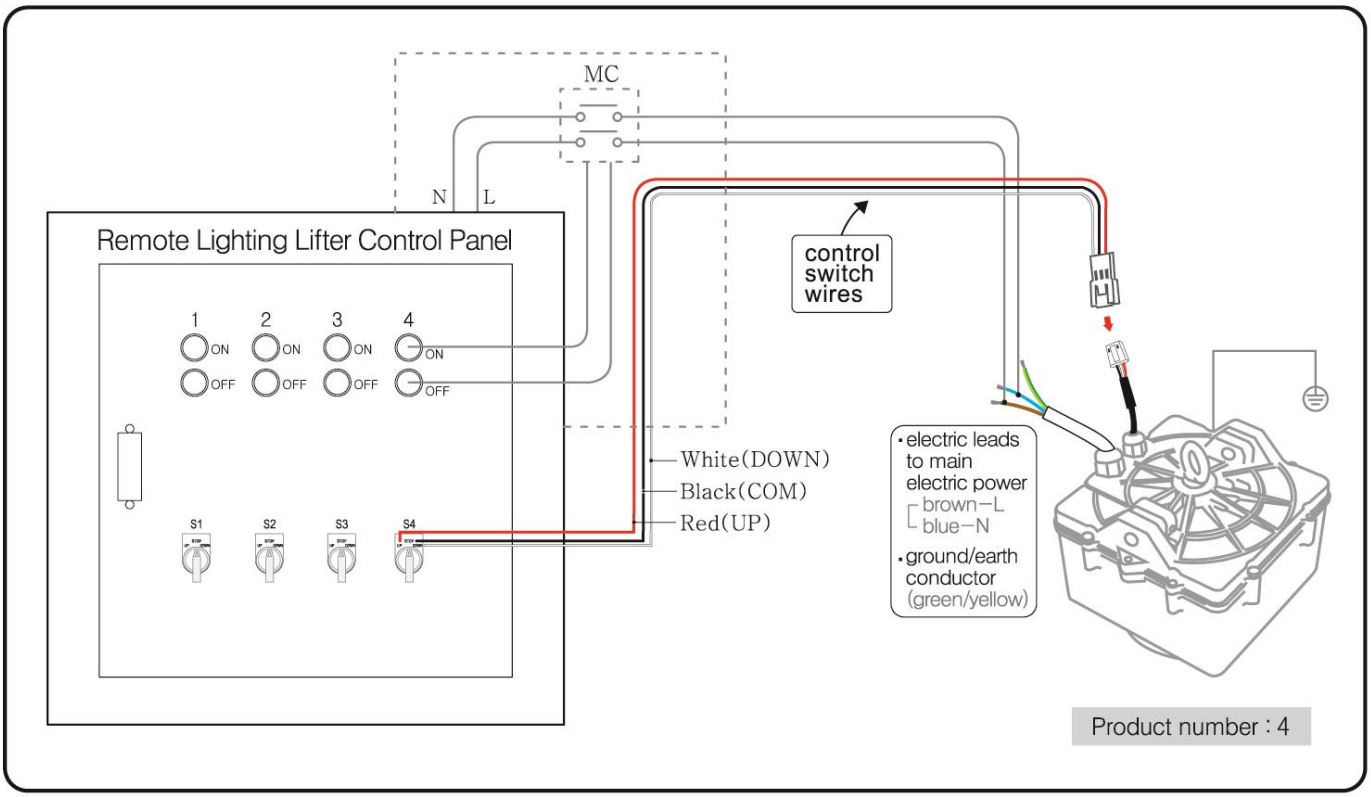
When lowering, the lift stops automatically if the decent is interrupted or when it reaches the ground.

Adjustable Lowering Height :



Each lift can be set to stop at the users desired lowering height. This can be stored in the lift for future operations

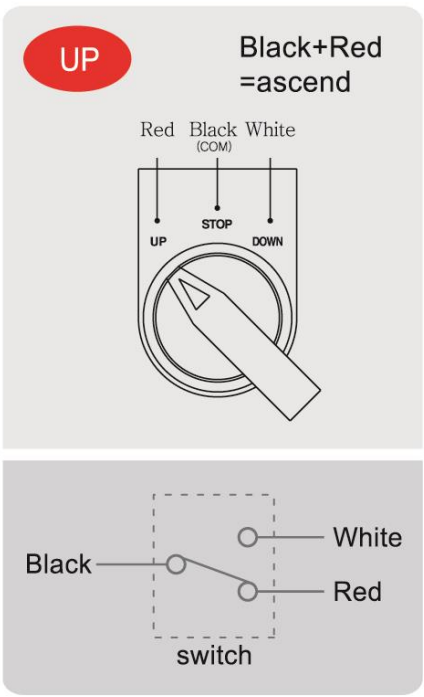
Keyswitch operation example :

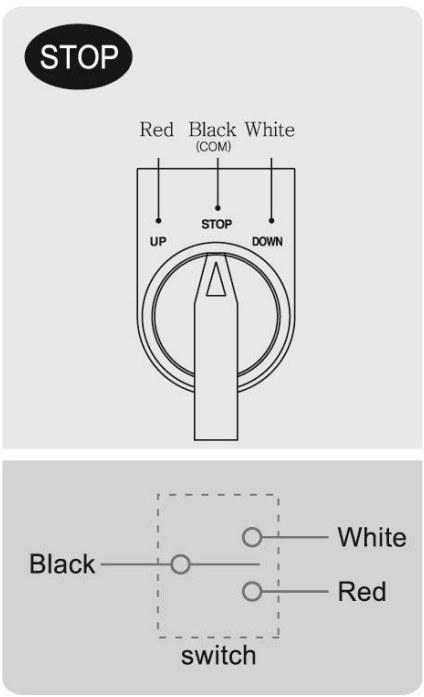


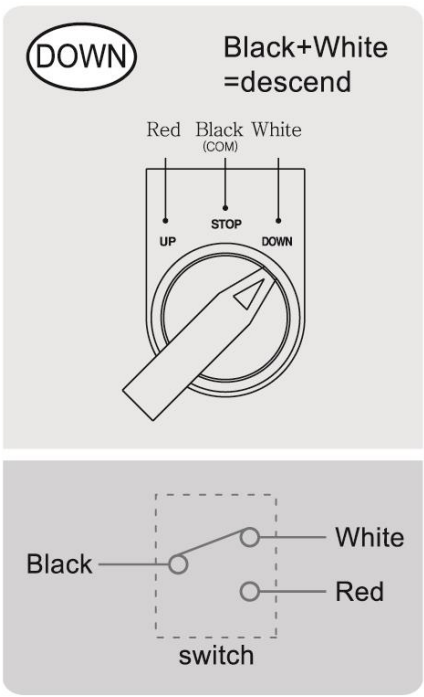
Keyswitch Control :

Control switch

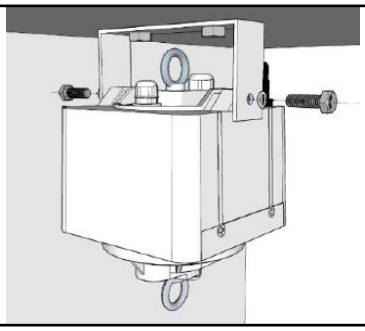
Do not connect Black+Red+White
Do not connect any voltage.



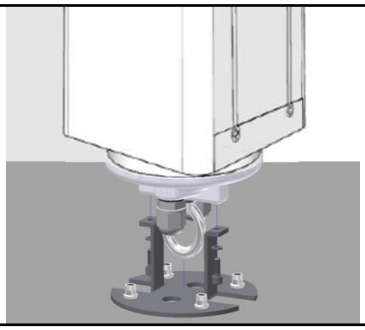




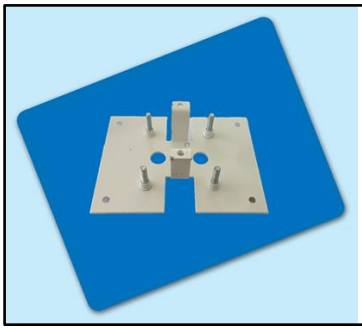
Optional Product Accessories Examples :

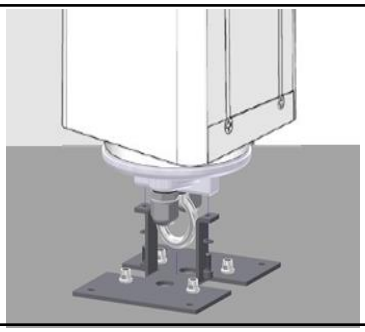


MB C : Used to securely mount the lift to the ceiling substrate with two points of fixing.

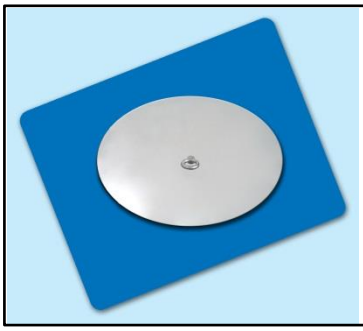


RMP : Ideal to mount round ceiling rose type fixture bases or pendant mounts.

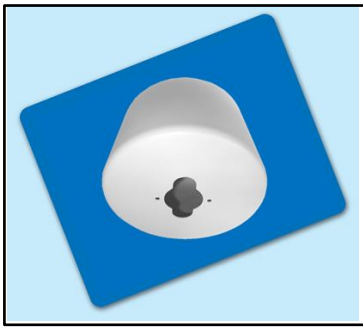


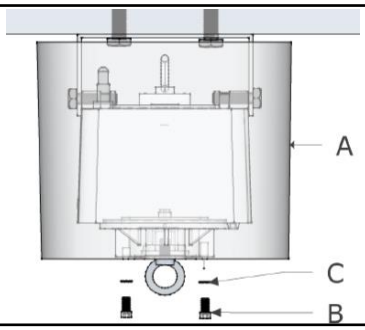


RCMP F : Ideal to mount square or rectangular type fittings and fixtures



RA ME : Used to recess the lift behind a suspended ceiling to conceal the lift from view.





AH A : Used to cover surface mounted lifts, can also be painted to match ceiling colour.

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