REEL TECH

TECHNICAL DOCUMENT

HSI 18 – Single Wire Hoist Custom Model

Key Features :

Lifting weight of up to 4-18kg

Lowering distance 15m/20m*
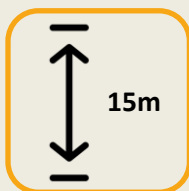
Safety locking device

Remote controlled

Manual key switch built in

Pre wired terminals

*Additional lowering distance with reduced weight

4-18kg　　**15m**

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!

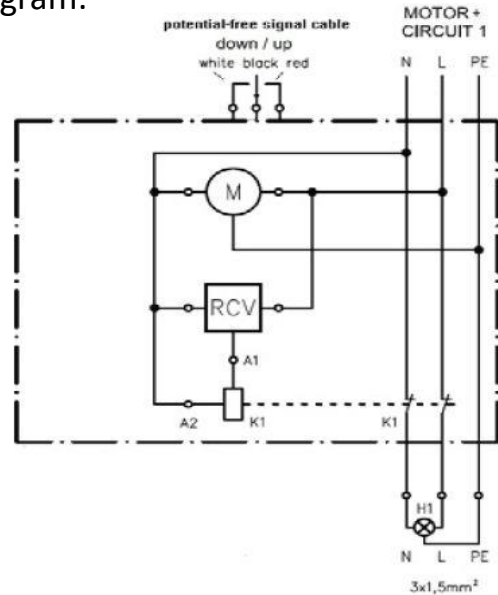Use minimum weight!

DO NOT carry the lift by the cables!

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

CMOS - Electronic!

Overview:

Wiring Diagram:

potential-free signal cable
down / up
white black red

MOTOR +
CIRCUIT 1

N   L   PE

M

RCV

A1

A2   K1   K1

H1

N   L   PE

3x1,5mm²

Brand	REELTECH		
Product	HSI 18		
Rated Specifcation		**Lowering / Raising Specifcation**	
Type	MEDIUM DUTY	Model	HSI 18
Model	HSI 18	Lifting weight of fitting	4 - 18kg
Option	Standard	Lowering distance (m)	15m
Operating voltage	240v 50Hz	Lowering / Raising Speed	4.9/5.2 m/min
Wattage	40w	**Lamp Circuit**	
Dimensions	175x175x225mm	Model	HSI 18
Unit Net Weight	6.7kg	No. Of Circuits	1
Ambient Temperature	-15* to 60*	No. Of Contacts	2
Construction		Lamp Capacity	1 x 16 amp
Model	HSI 18		
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.
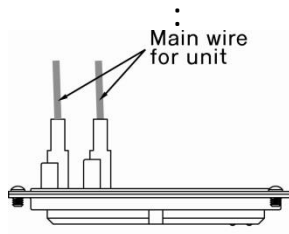
Special safety locking jaws engage to take the load off the suspension cables.

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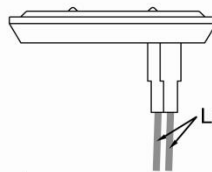
Electrical Contact Plates :

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
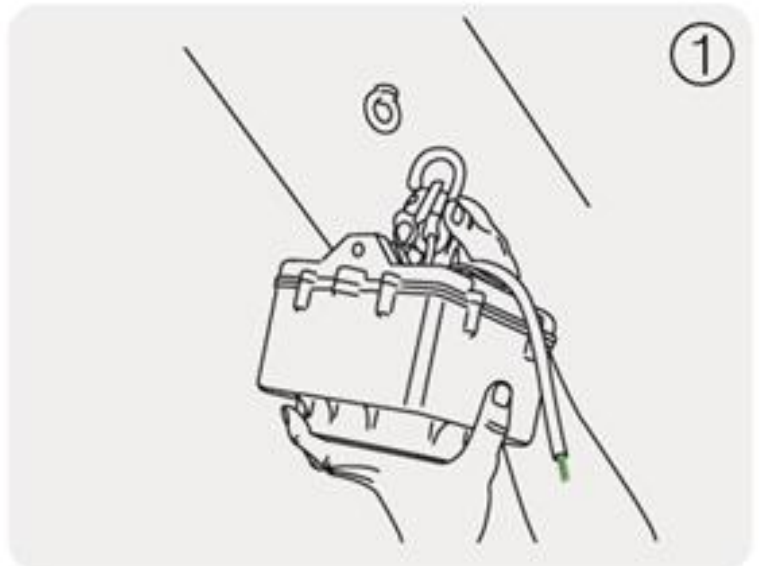
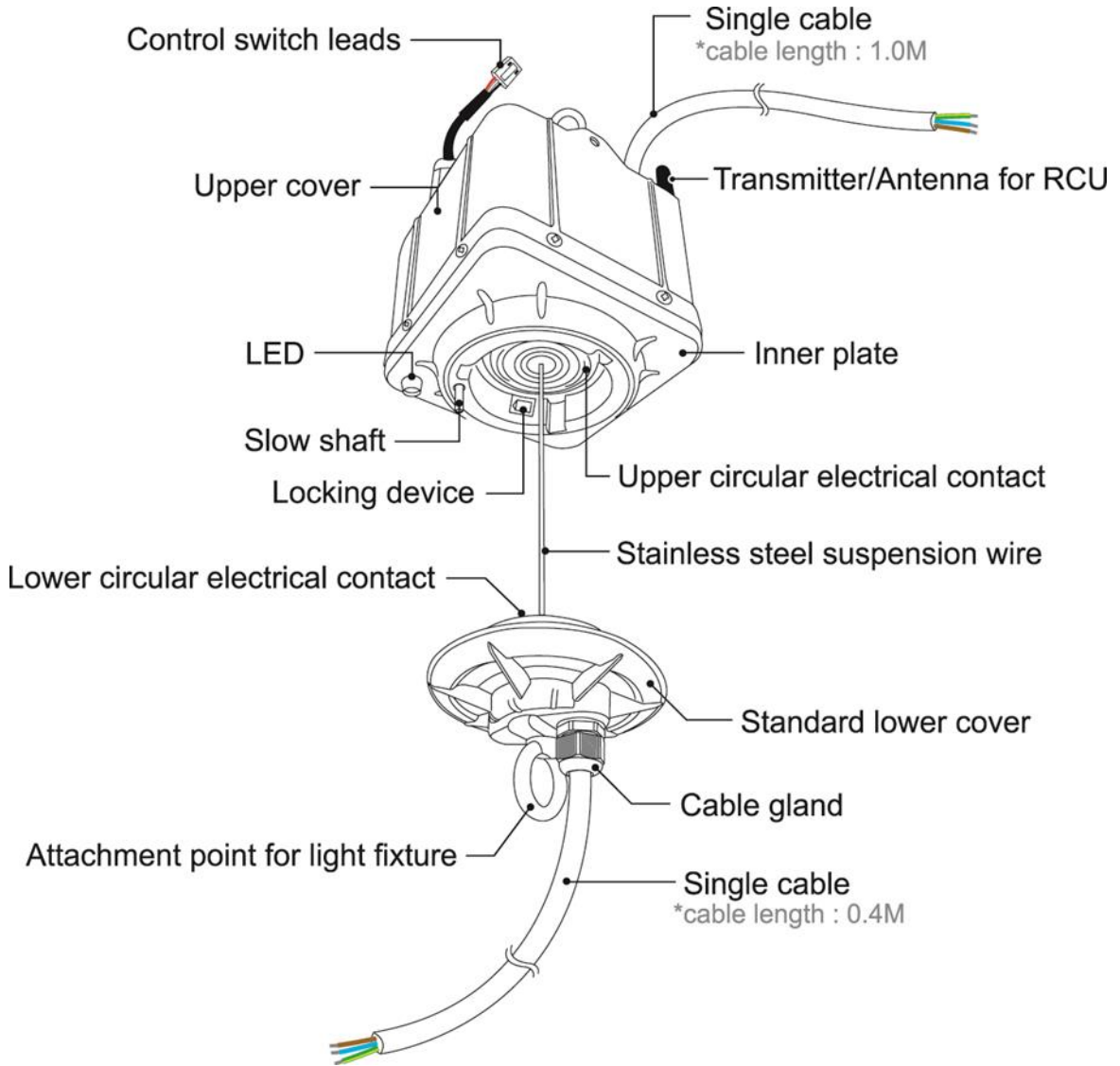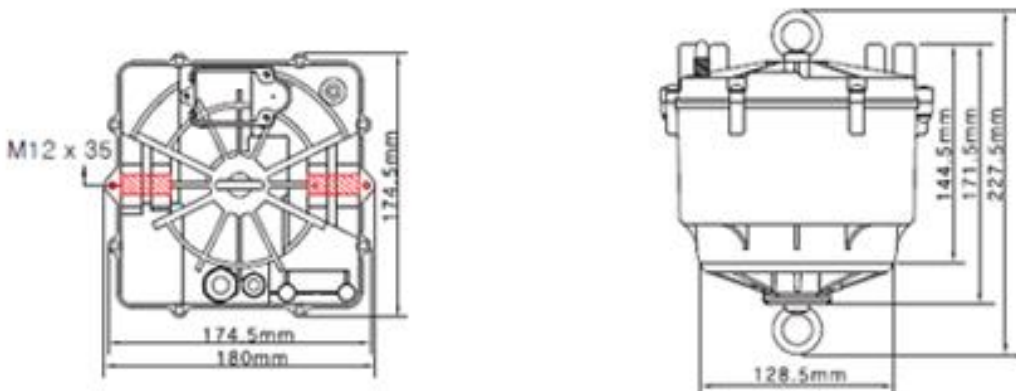Main wire for unit

Upper part contact

Lamp wire

Lower part contact

Standard mounting option :

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

20.5mm

Ø10mm

71mm

13mm

①

Product Overview：
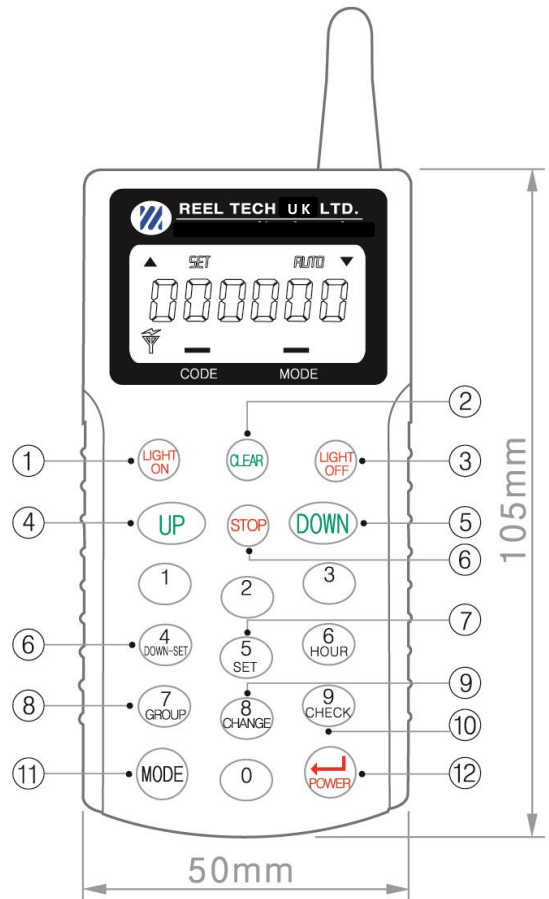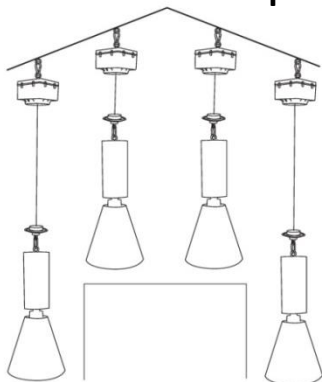

Dimensions：

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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
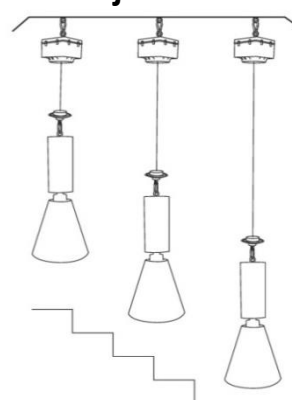
⑫ POWER   Power button for Remote control

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▲ SET   AUTO ▼

000000

CODE   MODE

① LIGHT ON   CLEAR   LIGHT OFF ③
②
④ UP   STOP   DOWN ⑤
⑥
1   2   3
⑦
⑥ 4 DOWN-SET   5 SET   6 HOUR
⑨
⑧ 7 GROUP   8 CHANGE   9 CHECK
⑩
⑪ MODE   0   POWER ⑫

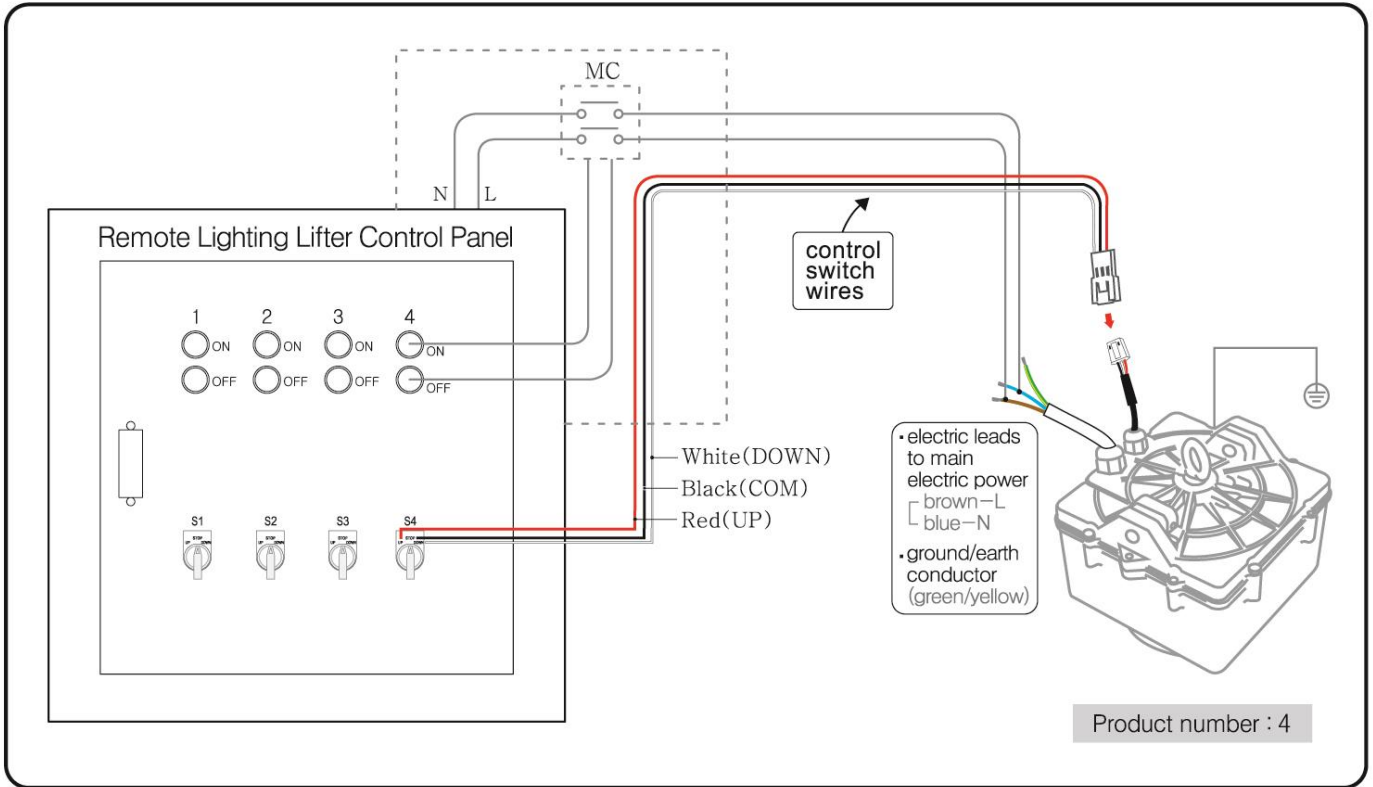105mm

50mm

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
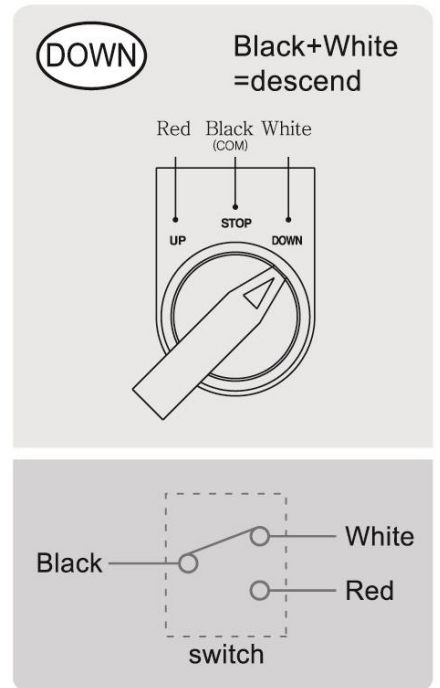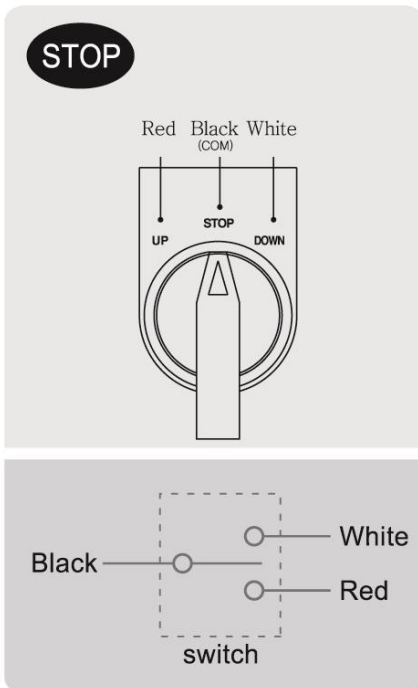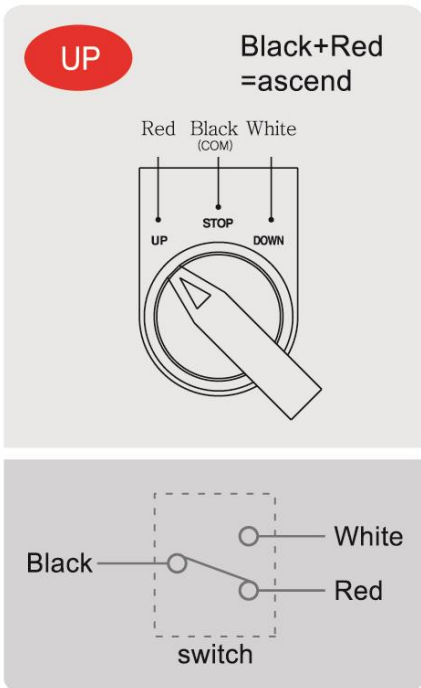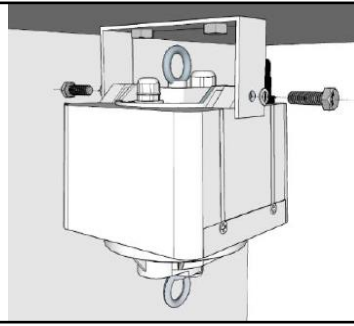
Keyswitch operation example :

MC

N L

Remote Lighting Lifter Control Panel

1 ○ ON 2 ○ ON 3 ○ ON 4 ○ ON
○ OFF ○ OFF ○ OFF ○ OFF

S1 STOP S2 STOP S3 STOP S4 STOP

control switch wires

White(DOWN)
Black(COM)
Red(UP)

- electric leads to main electric power
  ┌ brown—L
  └ blue—N
- ground/earth conductor (green/yellow)

Product number : 4

Keyswitch Control :

Control switch

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

UP Black+Red =ascend

Red Black (COM) White
UP STOP DOWN

Black —— White
Black —— Red
switch

STOP

Red Black (COM) White
UP STOP DOWN

Black —— White
Black —— Red
switch

DOWN Black+White =descend

Red Black (COM) White
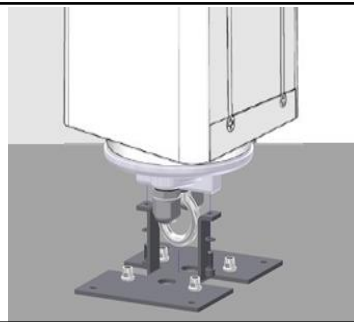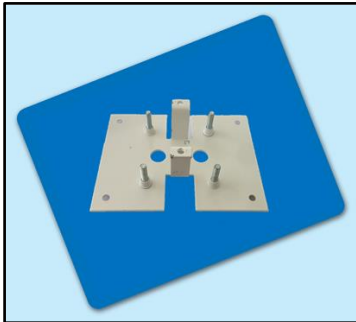UP STOP DOWN

Black —— White
Black —— Red
switch

Optional Product Accessories Examples :

MB B :
Securely mounts the lift to the ceiling substrate with two points of fixing.
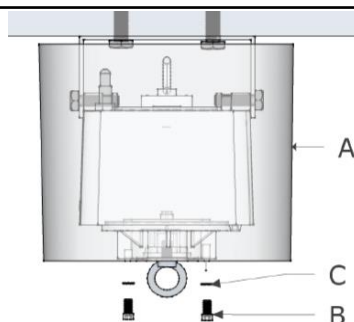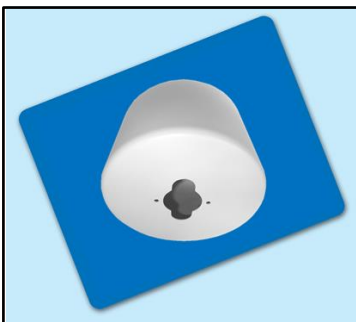
RMP : Ceiling rose type fixture bases or pendant mounts.

RCMP :
For rectangular type fittings and fixtures

RA MES :
Recesses the lift behind a suspended ceiling to conceal the lift from view.

AH B :
Surface cover mounts over lift, Can be painted to match ceiling colour.

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