REEL TECH

TECHNICAL DOCUMENT

CSI 7 – Single Wire Hoist

Key Features :
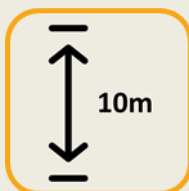
Lifting weight of up to 7kg

Lowering distance 10m

Safety locking device

Manual key switch built in

Pre wired terminals

7kg | **10m** | 🔒 | 📶

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!

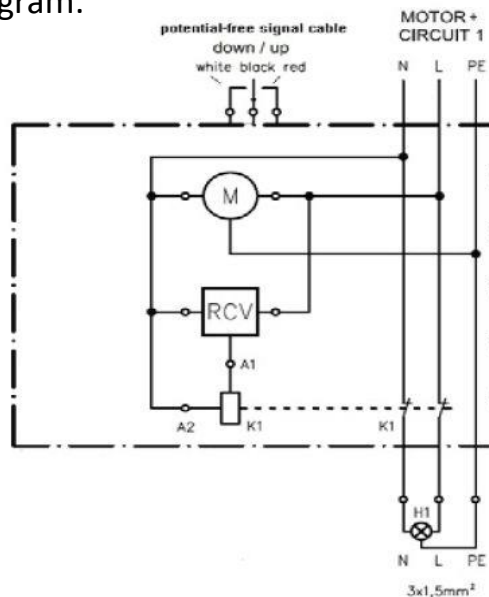Use minimum weight!

DO NOT carry the lift by the cables!

CMOS - Electronic!

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

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	CSI 7		
Rated Specifcation		**Lowering / Raising Specifcation**	
Type	Compact	Model	CSI 7
Model	CSI 7	Lifting weight of fitting	2 - 7kg
Option	Standard	Lowering distance (m)	10
Operating voltage	110-277v 50/60hz	Lowering / Raising Speed	3.0/3.8 m/min
Wattage	20w	**Lamp Circuit**	
Dimensions	140x140x216mm	Model	CSI 7
Unit Net Weight	3.0kg	No. Of Circuits	1
Ambient Temperature	-15* to 40*	No. Of Contacts	2
Construction		Lamp Capacity	16 amp
Model	CSI 7		
Protection category	IP54	**Certification**	
Suspension Wire Dia	1.2mm	Standards	ETL, CE, TUV,

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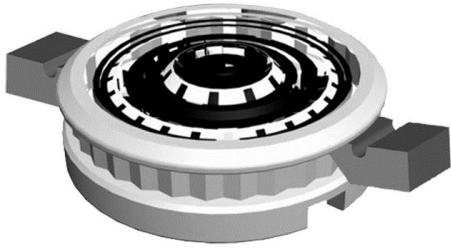
The Safety locking device provides additional security when the lift is at rest.

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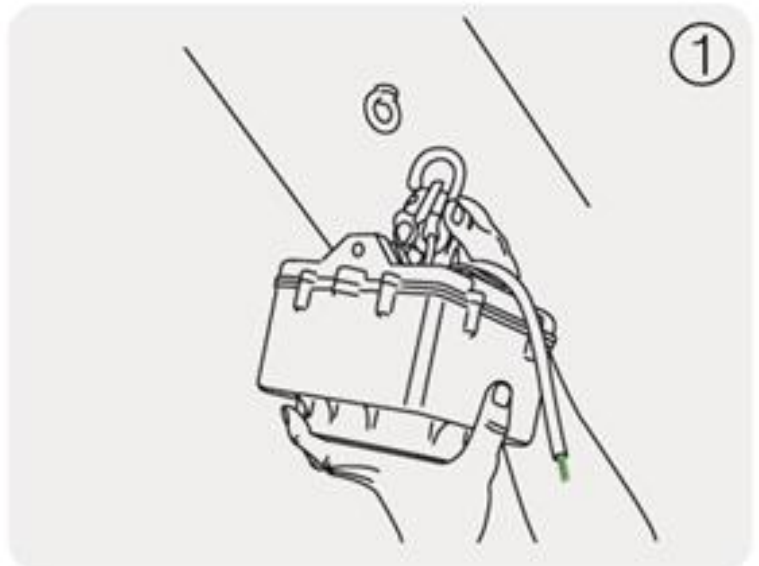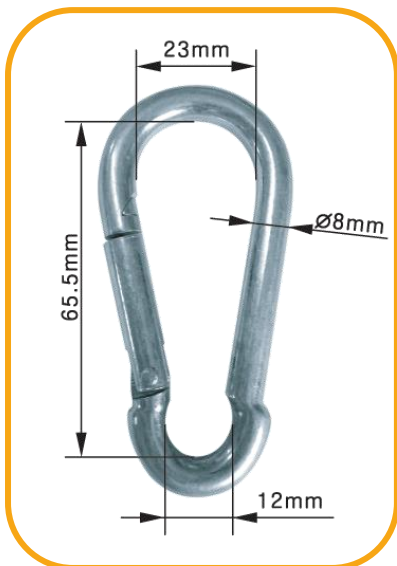
Upon lowering the lift the internal relay isolates the electrical supply, once in the raised position the relay returns power to the lower contacts

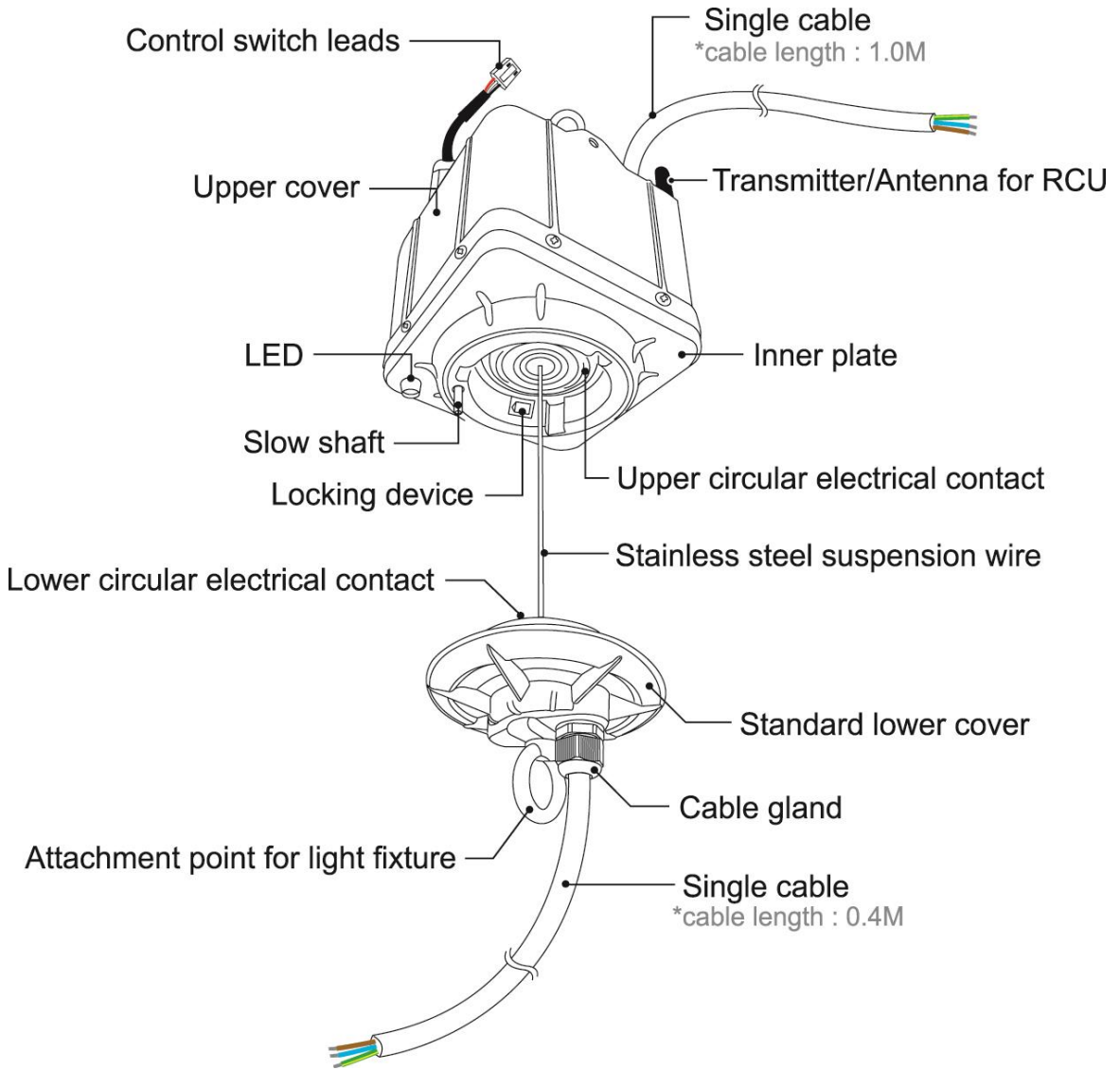Main wire for unit

Upper part contact

Lamp wire

Lower part contact
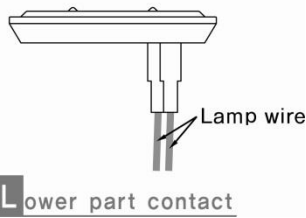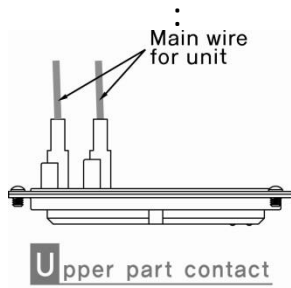
Standard mounting option :

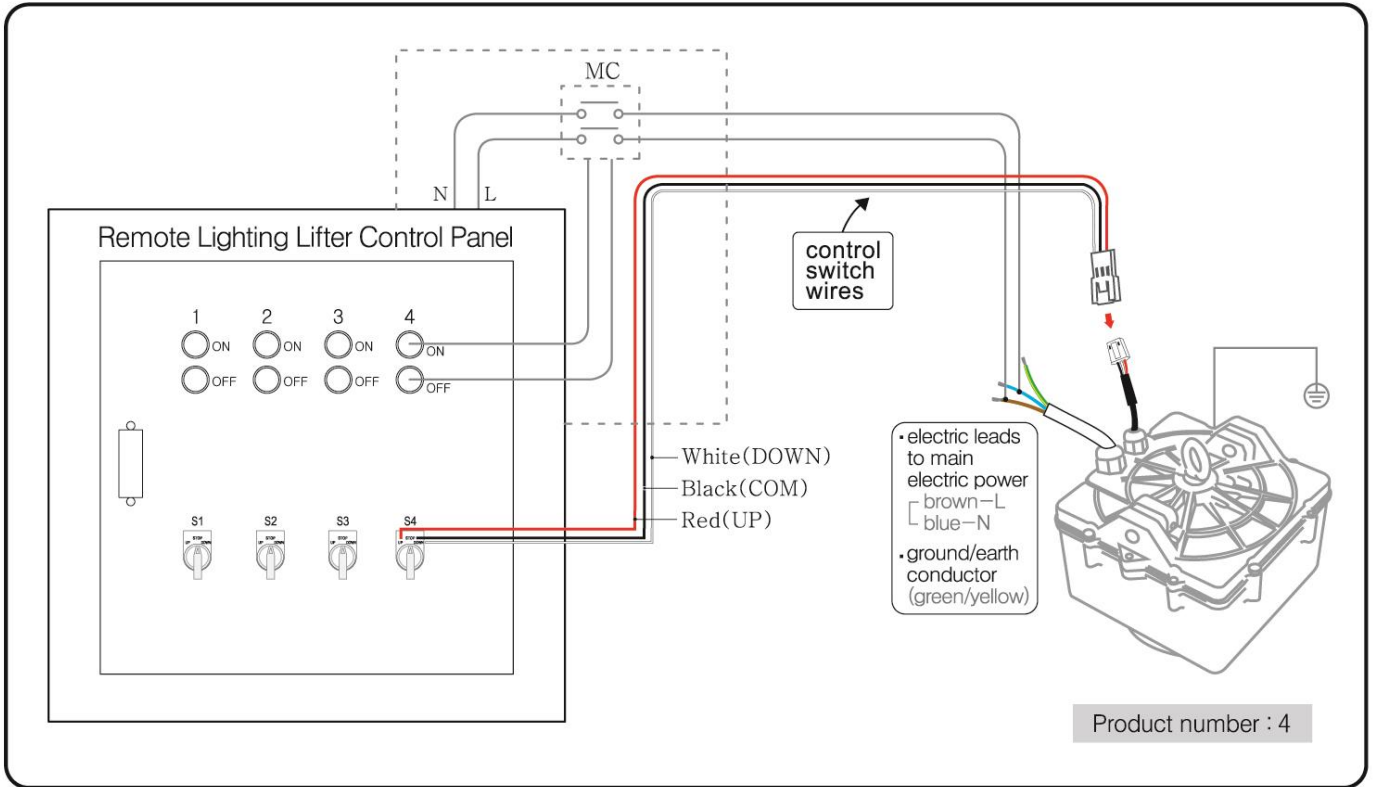NB* Secondary fixing point or tether maybe required, If in doubt please consult a structural engineer for advise

23mm

65.5mm

Ø8mm

12mm

①

Product Overview :

Control switch leads

Single cable
*cable length : 1.0M

Upper cover

Transmitter/Antenna for RCU

LED

Inner plate

Slow shaft

Locking device

Upper circular electrical contact

Lower circular electrical contact

Stainless steel suspension wire

Standard lower cover

Cable gland

Attachment point for light fixture

Single cable
*cable length : 0.4M

Dimensions :

M8 x 20

140mm

140mm

20mm

124.5mm

152mm

216mm

106mm

Keyswitch operation example :

MC

N L

Remote Lighting Lifter Control Panel

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

S1 S2 S3 S4

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

STOP
UP   DOWN

Black —— White
     —— Red
switch

STOP

Red Black (COM) White

STOP
UP   DOWN

Black —— White
     —— Red
switch

DOWN Black+White =descend

Red Black (COM) White
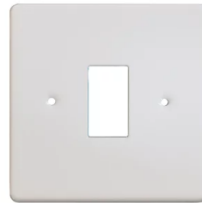
STOP
UP   DOWN

Black —— White
     —— Red
switch
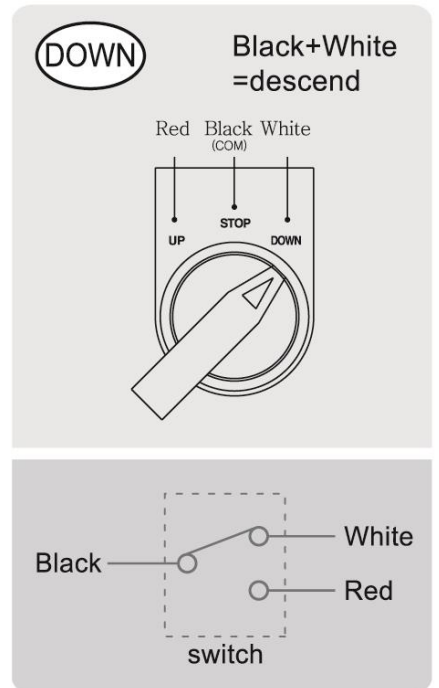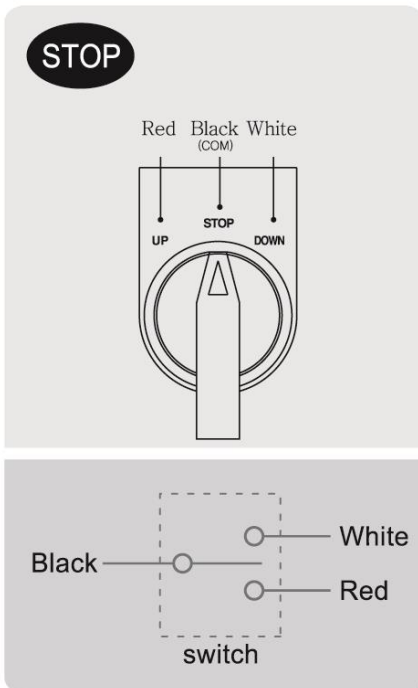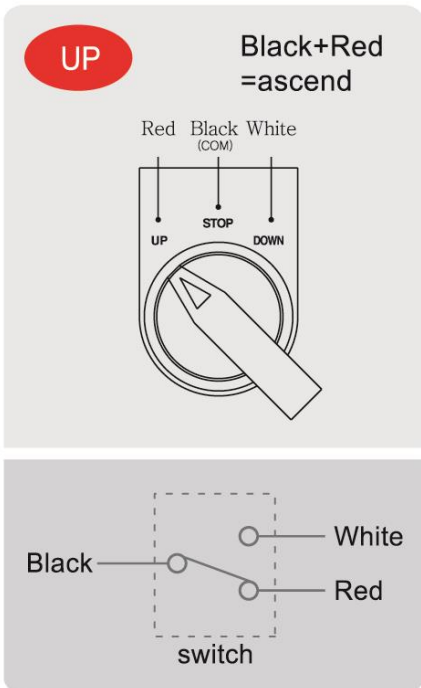
Optional Product Accessories Examples :
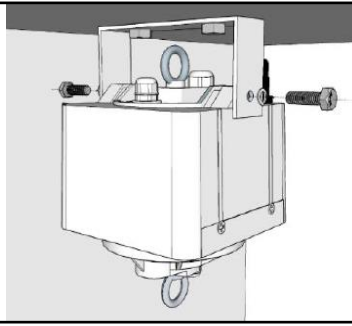
MB A : Bracket to securely mount the lift to the ceiling substrate with two points of fixing.
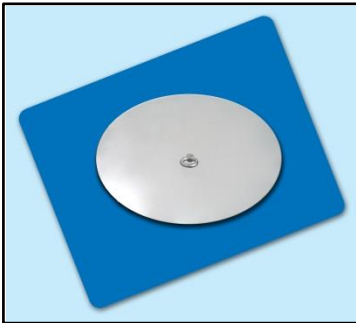
RCP : Recessed cover to conceal the lift behind a suspended ceiling to conceal the lift from view.

Keyswitch : Retractable two way keyswitch for lower and raising the hoist fits single pattress

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