HCVAR CHAIN DRIVE

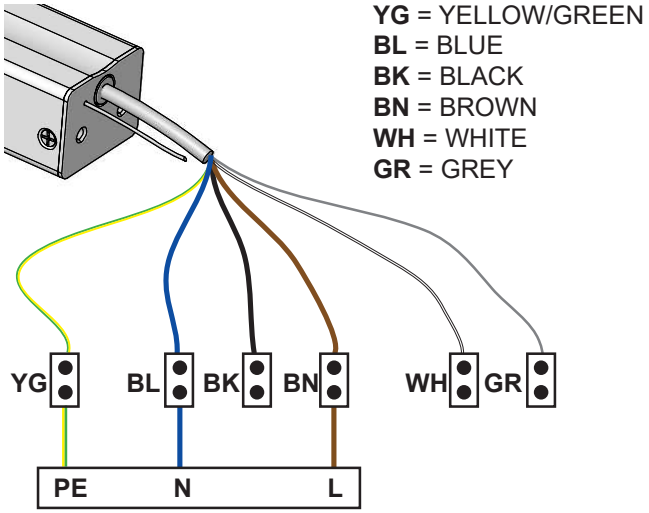
DATA SHEET
#211495

Electrical window opener for Roof and Facade
Model: **HCVAR**

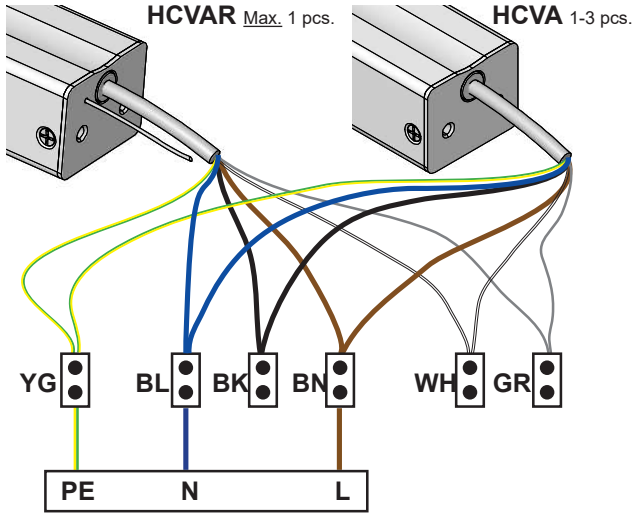
ELECTRICAL CONNECTION

- **Operating voltage 230V**
- **Must be connected to protective earth (PE)**
- Connection must be carried out by authorized electricians!
- Ensure that people keep away from the operation area of the drives. Danger of violent pressure in accessible area!
- Use only in dry environments!
- Rain sensor is recommanded.
- The installer or the project responsible is obliged to make risk analysis.

Connection of 1 (one) drive 230V



Synchro mode for 2-3 or 4 drives 230V



SUPPLY

YELLOW / GREEN: *PE*

BLUE: *N*

BLACK: *Not in use*

BROWN: *L*

⚠ WHITE and GREY

White and Grey wires are used for communication and must be connected in use for Synchro mode.
Max. 4 x drives can be synchronized. (1 x HCVAR can be synchronized with 1-3 x HCVA, but maximum with 1 x HCVAR each synchro set).
Synchro mode requires programming by Actulux or by PMD-Tool.

Attention!

Do NOT connect White and Grey wires to 230V!

Cannot be used with wired comfort switch. Use only OPUS Wireless comfort switch #111900

Disposal
Electrical equipment, accessories and packaging should be recycled for environment protection!
Don't dispose electrical equipment into household waste!
Only for EU-Countries: According to the European guideline 2002/96/EG about waste electrical and electronic equipment and its implementation into national law, useless electrical and electronic equipment must be separately collected and recycled for environment protection.

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HCVAR CHAIN DRIVE

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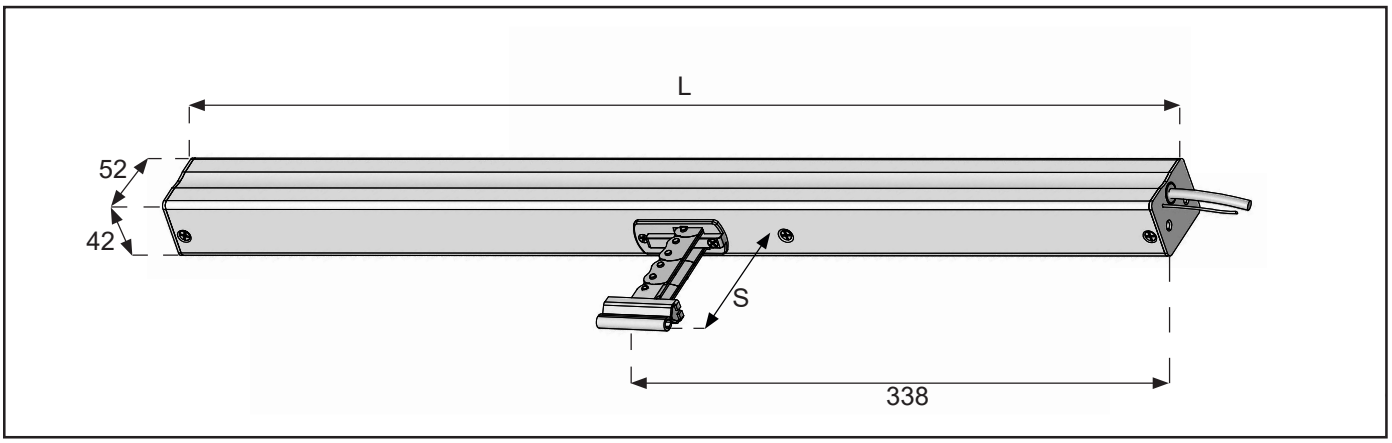
Electrical window opener for Roof and Facade
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TECHNICAL DATA

Power supply	190-250VAC/50 HZ Max 13A
Consumption	0,5 A/230VAC
Locking force	2500N
Lifecycle	>11,000 double strokes
Duty cycle	30% v. 10 min. running time
Protective class	IP32
Temperature range	-25°C ~ +75°C

Soft Close	Reduced closing force 50mm/200N
Standard colour	White (RAL 9010)
Cable length	2.5m Silicone cable

Designed in accordance with EN 50130-4.



Item no	Model	Power supply	Push force	Pull force	Stroke (S)	Speed	Length (L)
31030000 (R)	HCVAR 500/250	230VAC	500N	500N	250mm	7mm/s	540mm
31030100 (R) 31230100 (L)	HCVAR 500/350		500N		350mm	7mm/s	586mm
31030200 (R) 31230200 (L)	HCVAR 500/600		500N		600mm	7mm/s	711mm
31030300 (R) 31230300 (L)	HCVAR 500/800		*		800mm	10mm/s	811mm
31030400 (R) 31230400 (L)	HCVAR 500/1000		*		1000mm	10mm/s	916mm

(R) right, (L) left

*Use only for bottom and side hung window (If other uses are considered, contact your supplier)

PMD Tool | Accessories | Control Panels | DOC

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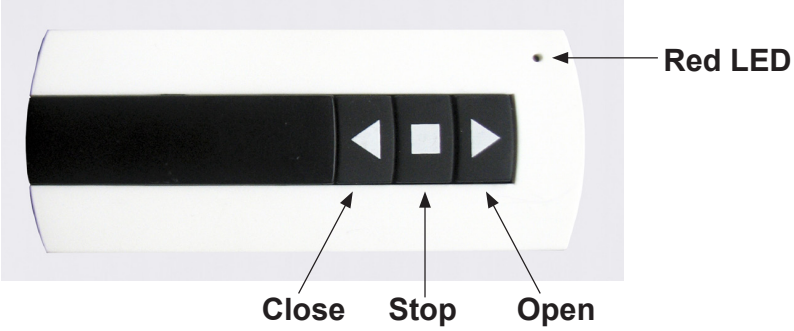
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DATA SHEET

Electrical window opener for Roof and Facade
Model: **HCVAR**

FUNCTION OF REMOTE CONTROL FOR HCVAR

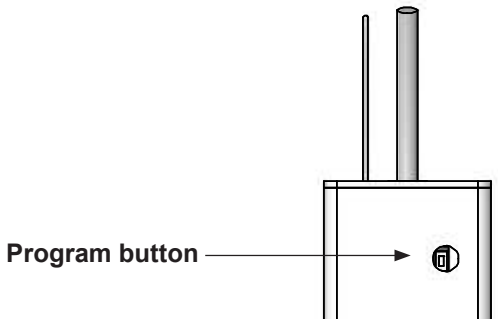
Note!
The remote control is operated at a short press per function. Long pressures will cause shorter battery life.



PAIRING HCVAR WITH REMOTE CONTROL

By default, HCVAR comes with a paired remote control (item no.# 111890).
One chain drive remember max. 20 pcs. remote controls

To access the “Program button” in the drive, remove the plastic cap on the top of the housing.



1) Press and hold the “program button” on the chain drive until the LED / Buzzer indicator lights / beeps - RELEASE THE BUTTON IMMEDIATELY.
2) Within 5 seconds - press any button on the remote control and its LED indicator lights up.
3) The LED / Buzzer indicator in the chain drive turns off after one flash / beep = the remote control and chain drive are now paired.

If you need to remove one remote, you have to delete all of them; by pressing the “Program button” for more than 3 seconds until the LED / Buzzer indicator has been switched on and off again. Now all remote controls are deleted and you need to pair all of them again.

PAIRING HCVAR WITH WIRELESS DEVICES

It is possible to connect weather sensor and comfort switch wireless to the chain drive.

Rain sensor	#111960
Wind- & Rain sensor	#121329
Comfort Switch, OPUS	#111900
RF-transmitter	#111892

Weather sensor manual

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