

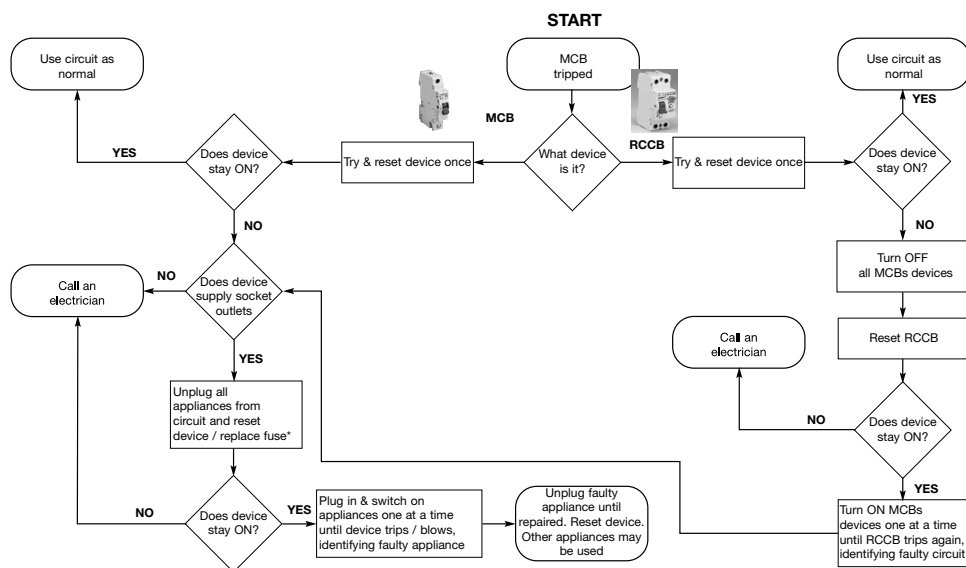
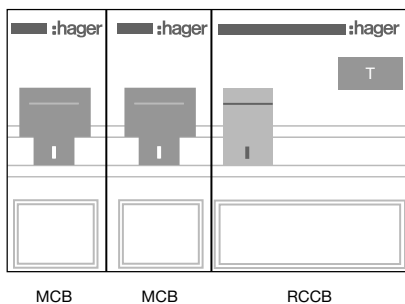
ZD0630

Interface characteristics	
Rated & operational voltage (Un / Ue) 230V a.c. 50Hz	
Rated insulation voltage (Ui) 320V a.c. 50Hz	
Rated impulse withstand voltage (Uimp) 4kV	
Rated current of the Assembly (InA) 40A	
Note: Dependent upon rating of main incoming device	
Rated current of an Outgoing circuit (Inc) MCB 6A - 40A (marked rated current on device)	
Rated conditional short-circuit current of the ASSEMBLY (Icc) Annex ZB: 16 kA rms at 250V, power factor 0.6 with equipment and arrangements specified in Hager's technical documentation / catalogue.	
Protection against electric shock Consumer unit shall be installed in an electrical system conforming to the current edition of IEC 60364 / BS 7671	
Rated diversity factor (RDF) / Values of assumed loading 2way = 0.8	<p>Note: RDF only applies to continuously and simultaneously loaded circuits.</p> <p>In principle, this means adjacent circuit-breakers having a load 'on' time exceeding 30 minutes or where a load not exceeding 30 minutes has an 'off' time less than the 'on' time, will need to have the rated diversity factor applied as indicated.</p>
Rated frequency (fn) 50 Hz	
Pollution degree 3	
Types of system earthing for which the ASSEMBLY is designed TNC-S, TN-S when installed in an electrical installation complying with BS 7671	
Indoor or outdoor use -25°C	
Stationary ASSEMBLY	
Degree of protection IP55 (VE24AH) with Door closed and full compliment of outgoing devices and or blanks fitted. Note: Where cables are installed through top wall of enclosure, IP rating to be maintained.	
Intended use Intended for use in garages or similar premises.	
Electromagnetic compatibility (EMC) classification EMC Environment B	
External design VE : Wall-mounted, surface type, enclosed assembly.	
Mechanical impact protection IK 07	
The type of construction Fixed parts	
Type A DBO (Distribution board for use by ordinary persons)	

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03902Z



Dimensions - Garage Board

Dimensions (mm)	Enclosure Size
	VE24AH
A	165
B	190
C	N/A
D	114

VE24AH Garage Board Instructions/Data Sheet

This Garage Board and Hager devices conform with the following standards:
Consumer Unit: BS EN 61439-3 including Annex ZB.
Residual Current Circuit Breaker (RCCB): BS EN 61008-1
Miniature Circuit Breaker (MCB): BS EN 60898-1

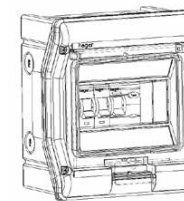


Fig 1. VE24AH
IP55

Installation Instructions:

All product(s) must be installed by a suitably competent electrician Giving consideration to their intended use and in accordance with the current edition of BS 7671 (IET Wiring Regulations).

The Electricity at Work regulations and the Health and Safety at Work Act shall be complied with.

Only equipment and arrangements specified in Hager's technical documentation / catalogue shall be used.

Install in the horizontal plane only.

Important notice:

To prevent potential overheating from loose connections the installer shall check connections are tight to the torque levels stated in these instructions prior to energizing this board. This check should include factory made connections which may have loosened in transit.

Guidance Notes:

The total load must not exceed the rating of the incoming device or the assigned assembly rating (InA) whichever is the lower. Each neutral and earth connection must correspond numerically to its outgoing way. Additional blanks (ref. JK01B) are available to cover spare ways.

A pack is provided to label this garage board, please consult us for spares or replacements.

Operating Instruction leaflet is provided overleaf. This leaflet should be left for the end user.

Single conductors below 1.5mm² need to be doubled back in the terminal bar.

Precautions need to be taken to prevent faults to earth on the supply side of the RCD (as per BS7671 regulation 531.4.1)

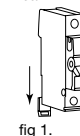
IP Ratings:

Cable access into the garage board must maintain the integrity so far as reasonably practicable. In essence, for surfaces accessible after installation, this means maintaining the requirement for the horizontal top surface of the enclosure to provide a degree of protection as detailed in fig 1 and fig 2. For rear cable access, the minimum number of knockout(s) shall be removed.

Fitting Hager MCBs and RCCBs:

Only equipment and arrangements specified in Hager's technical documentation / catalogue shall be used.

1. Isolate the electrical supply from the Garage Board.
2. Remove the front cover.
3. Fully slacken the lower terminal of the device.
4. Fully open the bottom device clip (fig 1.)



5. Locate the device onto the din rail, and busbar. Ensure that the busbar tooth is within the device terminal cage.
6. Close the bottom device clip.
7. While holding the device firmly onto the busbar, fully tighten the lower terminal screw.
8. After fitting all outgoing devices and connecting all outgoing cables, please check the tightness of all cable connections. This should include all factory made connections, which may have loosened during installation or transit.

Warranty

This distribution board is offered with a 24 month warranty against defective material or manufacture. If a warranty claim is necessary, please call the technical support number given at the bottom of the page and we will be pleased to help.

For dimensional information and weights please consult the Hager catalogue.

Note: Only BASEC approved cable should be used

1.0mm² to 10mm² for outgoing cables

up to 10mm² for incoming live cables

Single conductors below 1.5mm² need to be doubled back in the terminal bar.