

THE DIAMOND RANGE

GARO®

Consumer Units and Circuit Protection



18TH EDITION
COMPLIANT



COMPREHENSIVE
WARRANTIES

UK
CA



ENHANCED
PROTECTION



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Brand New Consumer Unit & Component Range



Following extensive research and consultation with contractors and installers, GARO can proudly announce and introduce our new range of consumer units and components. These products are compliant with all the latest regulations and offer numerous features and benefits to enhance convenience, flexibility and safety.

Our extensive range of metal consumer units covers a broad range of installations and is equipped with properties that make it more convenient, flexible and secure.

Consumer Unit Design & Build

GARO offers a bespoke design and manufacturing service. Contact your sales engineer for more details.

Current Regulations

The new GARO consumer unit and component range is designed to be compliant with the most recent BS 7671:2018 Requirements. The most important aspect when designing the range was that all products must comply with the latest UK regulations when being installed by installers across the UK. We provide a comprehensive, upgraded solution for every installation.

Our new range consists of distribution boards such as Isolator and Surge Arrestor units, as well as dual RCCB high Integrated consumer units, Garage Units and Empty Distribution boards. We also feature an extensive range of MCB B & C Characteristics, RCCB Type A 30mA, RCBO Type A 30mA B & C Characteristics, AFDD in B & C Characteristics, Surge Arrestor and Isolator DP 100A.

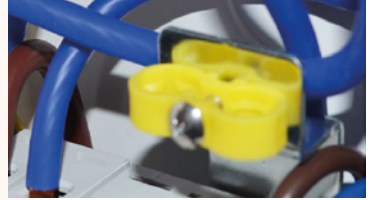
Key Features & Benefits

Metal Consumer Units

All GAROs metal consumer units are made using non-combustible and robust metal housing, ensuring compliance with BS 7671, 2015 regulations requiring consumer units in domestic premises to have non-combustible enclosures.

Mains Switch Tail Clamp

Each unit comes supplied and pre-fitted with a Mains Switch Tail Clamp for added stress relief to ensure the mains tail terminations don't come loose and to help secure the Mains Switch Isolator.



Integrated SPD

Each consumer unit is supplied with an integrated Surge Protection Device. Overcurrent Protection is provided by the upstream DNO fuse.



Variable Knockout Sizes

All units come supplied with a range of 40mm, 32mm, 25mm, and 20mm knockouts, making each board universally adaptable for all installations and cable types.



Surge Protection

Transient Overvoltage

Most electrical installations across the UK consist of electronic components within them. A Surge Protection device protects these items from overvoltages and surges. Products such as televisions, computers, printers, microwaves, alarms and washing machines are commonplace; as these can all be vulnerable to fluctuations in power supply, which can significantly reduce the equipment's lifespan through degradation and damage.

A surge or transient overvoltage is a short duration increase in voltage measured between two or more conductors. In short, this means anything from microseconds (millionths of a second) to a few milliseconds (thousandths of a second) in duration.

Regulations

With Regulation 443.4.1, protection against transient overvoltage is required where serious injury to, or loss of, human life may occur, or significant financial or data loss is noted. In all other cases, unless the owner of the installation declares otherwise, a Surge Protection Device should be installed. All GARO consumer units are fitted with Surge Arrestors as standard.



Consumer Unit Breakdown

Ultra Compact RCBO

Consisting of MCB's, AFDD's and RCBO's. Designed with ultra compact components, leaving more space for cabling and terminating.

Earth & Neutral Bar

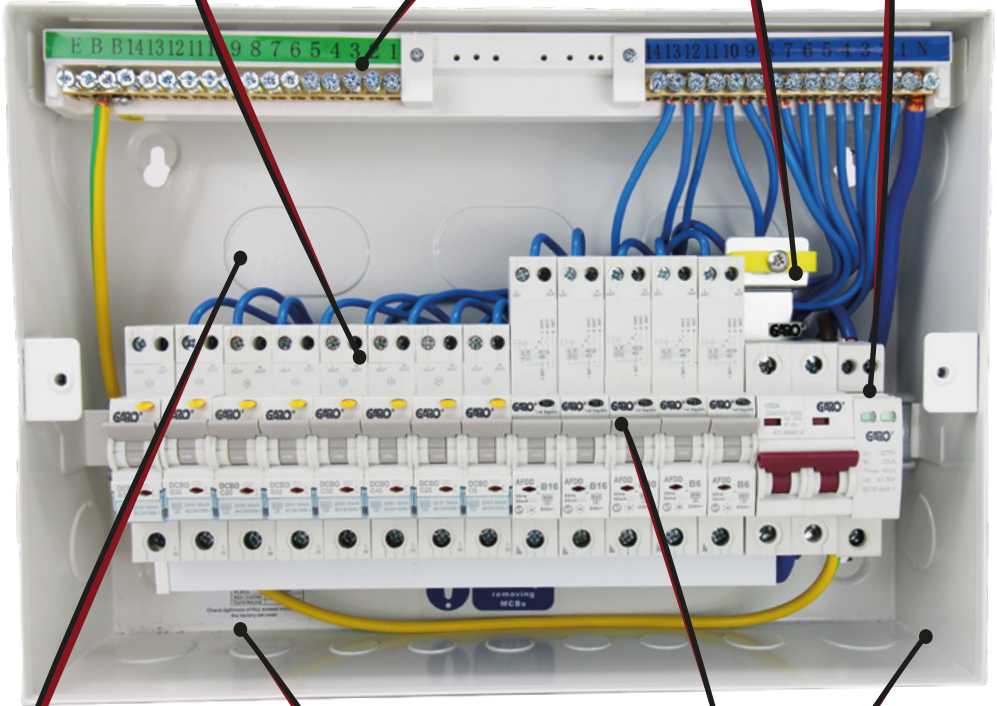
Each unit has its own specifically configured Earth and Neutral Bar to allow for the best practise installation of each board type.

Main Cable Clamp

To provide additional protection to the main cable.

Surge Arrestor

Integrated SPD fitted as standard with each consumer unit.



Large Space for Wiring

All consumer units have a large space for wiring, suitable for the increasing demands and circuit ways in a rebundance.

Torque Rating Label

A handy Torque rating label is provided in every consumer unit, allowing you to make all terminations with ease.

Lock Off Capabilities

Lockout devices are available to attach to the moving part of the protective device.

Non-Combustible Enclosures

Non-combustible and robust metal housings ensure compliance with Regulation 421.1.201.

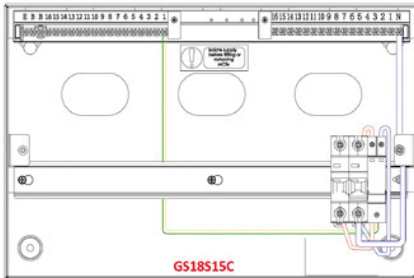
Consumer Units

Isolator & Surge Arrestor Consumer Units

Protect your property and keep your electrical systems up-to-date with GARO Metal consumer units, which come with an isolator and surge arrester. Designed with flexibility and safety in mind, and range from 12 - 32 modules wide, making them perfect for any installation.



GS18S15SC



View the range online

GS12S9C

MCU c/w Isolator & Surge 12mod 9 free

294 (W) x 260 (H) x 116 (D)

GS14S11C

MCU c/w Isolator & Surge 14mod 11 free

330 (W) x 260 (H) x 116 (D)

GS16S13C

MCU c/w Isolator & Surge 16mod 13 free

366 (W) x 260 (H) x 116 (D)

GS18S15C

MCU c/w Isolator & Surge 18mod 15 free

402 (W) x 260 (H) x 116 (D)

GS22S19C

MCU c/w Isolator & Surge 22mod 19 free

474 (W) x 260 (H) x 116 (D)

GS28S25C

MCU c/w Isolator & Surge 28mod 25 free

306 (W) x 465 (H) x 110 (D)

GS32S29C

MCU c/w Isolator & Surge 32mod 29 free

342 (W) x 465 (H) x 110 (D)

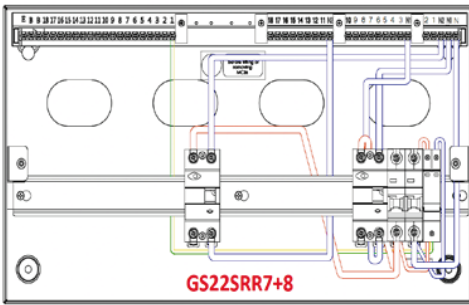
Consumer Units

Isolator, Surge and 2 x RCCBs Consumer Units

A reliable, durable, and safe power distribution system for your home. A metal consumer units, designed with a range of 14 to 22 modules wide. Fitted with an isolator, surge arrestor, and two RCCBs, complete with high integrity neutral block. An excellent choice for providing optimal power distribution within your property.



GS22SRR7+8



View the range online

GS14SRR3+4

MCU c/w Isolator, Surge, 2x RCCB 14mod 3+4 free

330 (W) x 260 (H) x 116 (D)

GS16SRR4+5

MCU c/w Isolator, Surge, 2x RCCB 16mod 4+5 free

366(W) x 260 (H) x 116 (D)

GS18SRR5+6

MCU c/w Isolator, Surge, 2x RCCB 18mod 5+6 free

402(W) x 260 (H) x 116 (D)

GS22SRR7+8

MCU c/w Isolator, Surge, 2x RCCB 22mod 7+8 free

474 (W) x 260 (H) x 116 (D)

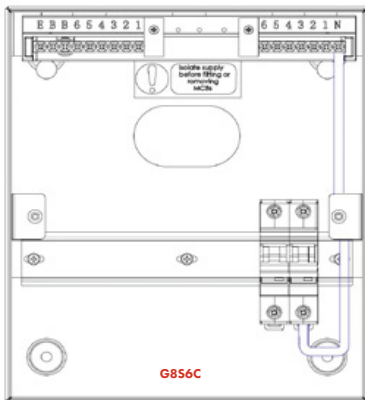
Distribution Boards

Isolator Units

A range of metal consumer units furnished with an isolator. An essential component of electrical safety in any home setting. To provide an effective way to isolate power sources, which helps to protect against accidental shock or damage. A range equipped with an isolator, from 8 to 12 modules wide.



G8S6C



G8S6C
MCU c/w Isolator 8mod 6 free

G10S8C
MCU c/w Isolator 10mod 8 free

G12S10C
MCU c/w Isolator 12mod 10 free



View the range online

222 (W) x 260 (H) x 116 (D)

258(W) x 260 (H) x 116 (D)

294 (W) x 260 (H) x 116 (D)

Distribution Boards

Garage Unit

A Metal consumer unit with an RCCB, 40A, 2 pole and two MCB 16, 32. Designed to be four modules wide and comes with all the features you need to safely power up your home and keep the electricity flowing.



G4R3216

G4R3216

MCU c/w 80A RCCB 4 mod 32 & 16 MCB

150 (W) x 260 (H) x 116 (D)

Empty Distribution Boards

A range of empty GARO Metal consumer units. Designed with a range from 4 - 10 Modules.



G4-4

G4-4

MCU 4 Mod 4 free

150 (W) x 260 (H) x 116 (D)

G6-6

MCU 6 Mod 6 free

186 (W) x 260 (H) x 116 (D)

G8-8

MCU 8 Mod 8 free

222 (W) x 260 (H) x 116 (D)

G10-10

MCU 10 Mod 10 free

258 (W) x 260 (H) x 116 (D)

Components

Key Features & Benefits

All GARO components are designed with the installer in mind, meeting all the latest standards. They are easy to install, safe, and suitable for both residential and commercial environments.

Clip in Modules

All modules are simple to click into place. They can be easily fitted onto the DIN rail and secured by a push up locking mechanism, allowing work to be carried out quickly and efficiently.



3 Year Product Warranty

We provide a 3-year warranty on all our components. This provides you with peace of mind, reflecting the confidence we have in our products and the benefit of years of continuous engineering improvement.

Lock Off Capabilities

Equipped with a switch toggle (rocker switch) designed to attach the moving part of the component, which moves from the 'on' to the 'off' position, ensuring the switch cannot be turned back on while work is being carried out.



Clear Indication

Each component has a clear and visible trip indication, along with clearly visible product information, no matter if the switch is on or off.



Neutral Tails (AFDD)

GARO AFDDs provide a 440mm long neutral tail as standard. They are single-width and measure 18mm.



Components

Protecting Against Overcurrent and Short Circuits.

This miniature circuit breaker is best fit for residential applications and domestic appliances. Type B MCBs are used for the protection of circuits, such as lighting and distribution circuits.

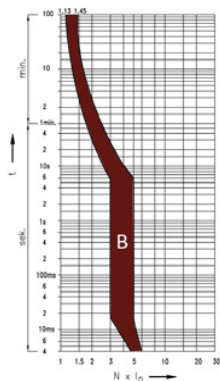


DCBGR125

MCB

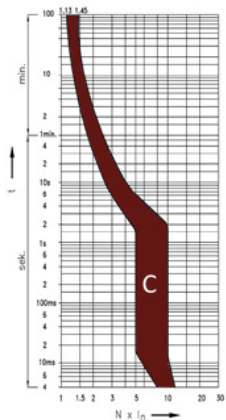
B Characteristic

DCBGRB106	6A MCB Char B SP 6kA
DCBGRB110	10A MCB Char B SP 6kA
DCBGRB116	16A MCB Char B SP 6kA
DCBGRB120	20A MCB Char B SP 6kA
DCBGRB125	25A MCB Char B SP 6kA
DCBGRB132	32A MCB Char B SP 6kA
DCBGRB140	40A MCB Char B SP 6kA
DCBGRB150	50A MCB Char B SP 6kA
DCBGRB163	63A MCB Char B SP 6kA



C Characteristic

DCBGRC106	6A MCB Char B SP 6kA
DCBGRC110	10A MCB Char B SP 6kA
DCBGRC116	16A MCB Char B SP 6kA
DCBGRC120	20A MCB Char B SP 6kA
DCBGRC125	25A MCB Char B SP 6kA
DCBGRC132	32A MCB Char B SP 6kA
DCBGRC140	40A MCB Char B SP 6kA
DCBGRC150	50A MCB Char B SP 6kA
DCBGRC163	63A MCB Char B SP 6kA



Components

Protecting Against Overcurrent, Short Circuits and Earth Leakage.

Save space in the unit and provide protection against overloads, short circuits and earth leakage.

This Residual Current Breaker with Overcurrent is a critical safety measure when protecting electrical circuits. A current sensing component that can automatically disconnect whenever a fault happens or the current exceeds the rated sensitivity.

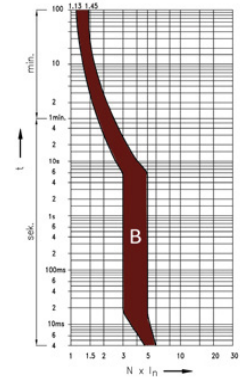


DCBOGRC32

RCBO Type A

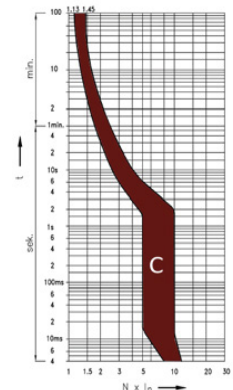
B Characteristic

DCBOGRB06	6A RCBO Char B 30mA 2P 1 Module
DCBOGRB10	10A RCBO Char B 30mA 2P 1 Module
DCBOGRB16	16A RCBO Char B 30mA 2P 1 Module
DCBOGRB20	20A RCBO Char B 30mA 2P 1 Module
DCBOGRB25	25A RCBO Char B 30mA 2P 1 Module
DCBOGRB32	32A RCBO Char B 30mA 2P 1 Module
DCBOGRB40	40A RCBO Char B 30mA 2P 1 Module



C Characteristic

DCBOGRC06	6A RCBO Char C 30mA 2P 1 Module
DCBOGRC10	10A RCBO Char C 30mA 2P 1 Module
DCBOGRC16	16A RCBO Char C 30mA 2P 1 Module
DCBOGRC20	20A RCBO Char C 30mA 2P 1 Module
DCBOGRC25	25A RCBO Char C 30mA 2P 1 Module
DCBOGRC32	32A RCBO Char C 30mA 2P 1 Module
DCBOGRC40	40A RCBO Char C 30mA 2P 1 Module



Components

Protecting Against Overcurrent, Short Circuits, Earth Leakage and Arc Faults.

Arc Fault Detection Devices are installed in the consumer unit to provide protection from arc faults.

Using a microprocessor technology to analyse the waveform of the electricity being used; Detecting any unusual signatures that signify an arc on the circuit. Designed with a self test feature.

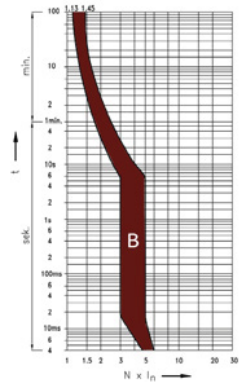


DAFGRB40

AFDD Type A

B Characteristic

DAFGRB06	6A AFDD Single pole B curve 2 P 1 Module
DAFGRB10	10A AFDD Single pole B curve 2 P 1 Module
DAFGRB16	16A AFDD Single pole B curve 2 P 1 Module
DAFGRB20	20A AFDD Single pole B curve 2 P 1 Module
DAFGRB25	25A AFDD Single pole B curve 2 P 1 Module
DAFGRB32	32A AFDD Single pole B curve 2 P 1 Module
DAFGRB40	40A AFDD Single pole B curve 2 P 1 Module



About Us



We develop and manufacture innovative products and solutions within electricity and e-mobility from our UK and Ireland locations. A select team of qualified technical internal sales personnel support Electrical Wholesalers and the Industrial Division of GARO Electric Ltd, targeting wholesalers, professionals and end-users alike. Our brand is your guarantee of electrical safety, user-friendliness and durability.

We see challenges as new opportunities and are driven by the curiosity to try new things, with a focus on developing products and solutions for a sustainable future. Our history gives us our unique GARO culture, and together with our business concept and vision, it provides us with a clear direction for the future.

GARO®



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