



ZD0921.V4



## RCBO

### Arc Fault Detection Devices

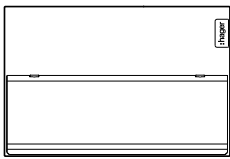
- ARR906U - RCBO** 1M **6A** B curve 6kA Type A 30mA
- ARR910U - RCBO** 1M **10A** B curve 6kA Type A 30mA
- ARR916U - RCBO** 1M **16A** B curve 6kA Type A 30mA
- ARR920U - RCBO** 1M **20A** B curve 6kA Type A 30mA
- ARR925U - RCBO** 1M **25A** B curve 6kA Type A 30mA
- ARR932U - RCBO** 1M **32A** B curve 6kA Type A 30mA

## MCB

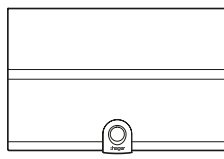
### Arc Fault Detection Devices

- ARM906U - MCB** 1M **6A** B curve 6kA
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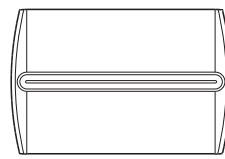
**Hager RCBO / MCB / AFDD devices are retrofittable in 18th edition (metal) Hager Consumer Units only:**



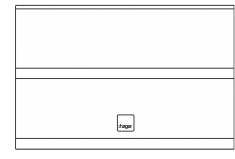
**Design 10** Single, Dual & Flush



**Design 30** Single & Dual Row



**Design 10/50** Flush



**Design EVO** Single, Dual & Flush

## Guidance Notes for All Switch Disconnecter Consumer Units

### Switch Disconnecter Incomer *Surface Mounted* Consumer Units

- All current SD metal Consumer Unit designs are verified with RCBO / AFDD
- Ina & Inc ratings for these Consumer Unit designs are maintained when RCBO / AFDD devices are employed

### Switch Disconnecter Incomer *Flush Mounted* Consumer Units

- For retrofit applications the Internal neutral cable is required to be updated to 25mm to retain board Ina rating ( cable part number - KE03B )

## Guidance Notes for All 100 A Dual RCCB Consumer Units

### 100 A Dual RCCB *Surface & Flush Mounted* Consumer Units

- All current Split load dual RCCB metal Consumer unit designs are verified with MCB/AFDD
- When used in conjunction with outgoing MCB / AFDD devices, the Consumer Unit assembly maintains an Ina of 100 A, however the Inc rating of each RCCB where MCB/AFDD are fitted will need to be derated to 80 A. To ensure this the upstream overload protection for the board must be provided at a maximum of 80 A or, the sum of the downstream devices for each RCCB where MCB/AFDD are fitted to be equal to or less than 80 A

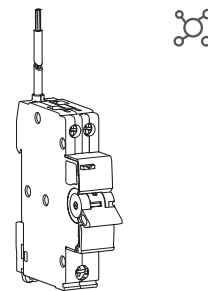
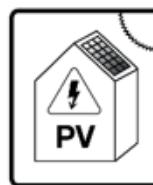
## Guidance Notes for 100 A RCCB Incomer Consumer Units

### RCCB Incomer *Surface Mounted* Consumer Units

- When used in conjunction with outgoing MCB / AFDD devices, the Inc rating of the RCCB fitted will need to be derated to 90 A. To ensure this the upstream overload protection for the board must be provided at a maximum of 90 A or, the sum of the downstream devices for each RCCB where MCB / AFDD are fitted to be equal to or less than 90 A

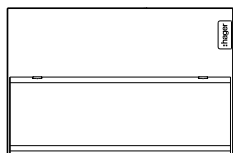
# EVSE & PV

Electric Vehicle 7.5Kwh & PV Applications only.

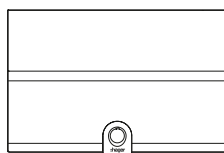


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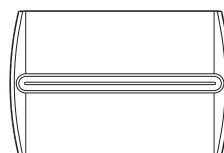
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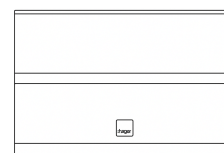
Design 10 Single, Dual & Flush



Design 30 Single & Dual Row



Design 10/50 Flush



Design EVO Single, Dual & Flush

## EVSE Guidance notes:

### ADC932R 32 A RCBO

Where a ADC932R RCBO is used to supply a 7.5Kwh car charger 10mm<sup>2</sup> cable must be used from the RCBO to the installed vehicle charge point. Can only be used in a 6 way or larger enclosure for this application.

ADC932R 32 A RCBO is not verified in any Flush 100 A Dual RCCB consumer units for the continuous loading of a 7.5Kwh car charger and MUST not be used.

## PV Guidance notes:

### ADC920R 20 A RCBO

When using a ADC920R (G98) for PV supply to achieve maximum  $I_{nA}$  116 A device must be fitted furthest way from the main incomer.

- Design 10 & 30 single row 100A Switch disconnecter incomer only
- Design 10 & 50 flush 100A Switch disconnecter incomer only

