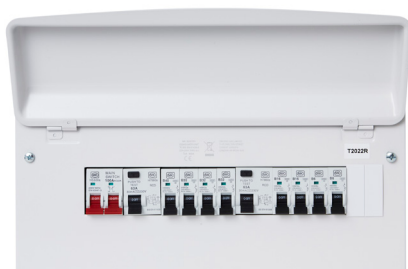


# MK SENTRY

## Surface Metal Consumer Units and Enclosures



### Description

MK Sentry Metal Consumer units and enclosures are designed on a modular basis, with 4 to 21 module enclosures in the range, to accommodate a wide variety of MK Sentry modular protection and control products. MK Sentry Metal Consumer units provide a housing with facility for earthing the metal box.

The enclosures are provided with ample wiring space and cable entry points.

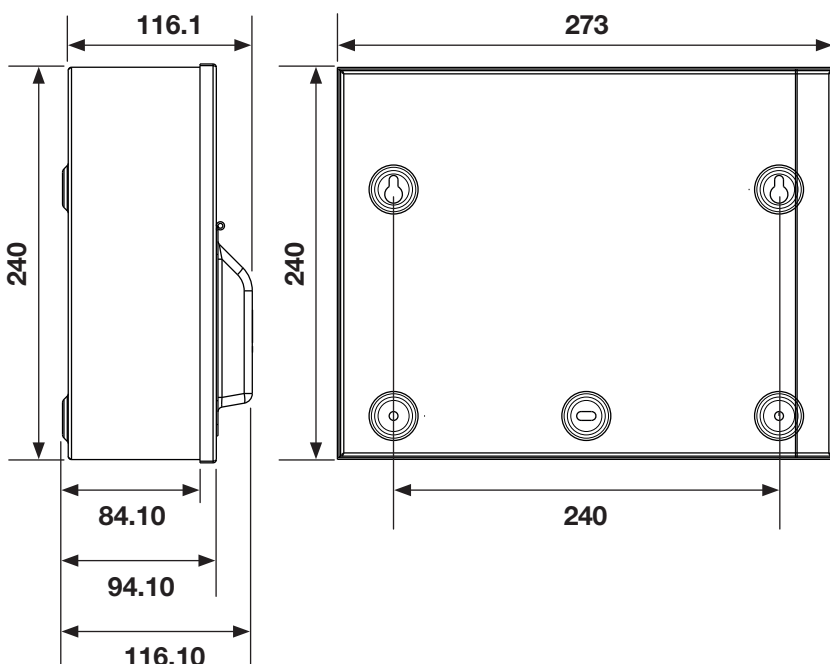
Specific consumer unit configurations have been designed to provide flexible solutions in meeting the requirements of BS7671 wiring regulations, with regards to RCD protection for circuits, cables and socket outlets. MK Sentry Metal Consumer units allow for protected and unprotected ways with the circuits being split across up to 2 RCDs, whilst the labelling sheet allows for full identification of all circuits.

All MK Sentry Metal Consumer units are colored in white (UV protected powder coated paint). Certain models are provided with a pre-assembled split load arrangement with switch and up to 2 RCDs. The range is complemented by a versatile selection of small four module enclosures suitable for housing RCDs or other combinations of Sentry products.

### Standards and approvals

All MK Sentry consumer units are designed to fully comply with the requirements of BS EN 61439-3.

### Dimensions (mm) Consumer unit



### TECHNICAL SPECIFICATION

#### ELECTRICAL

##### MAXIMUM CURRENT RATING

All MK Sentry consumer units have a maximum rating of 100A except the 4 module range which is rated at 63A

#### PHYSICAL

##### TERMINAL CAPACITY

16mm<sup>2</sup> earth and neutral

##### IP RATING

Front face IP4X, IP3X sides

##### MAX. INSTALLATION ALTITUDE

2000 metres

##### POLLUTION DEGREE

2

##### RATED FREQUENCY

50Hz

##### RATED OPERATIONAL VOLTAGE

Consumer unit: 220-250V

##### RATED INSULATION VOLTAGE

Consumer unit: 300V

##### SHORT CIRCUIT WITHSTAND

16kA rms (based on the use of a BS 1361 Type 2 fuse of rating not exceeding 100A)

##### EARTHING SYSTEM

Suitable for use with TN-S, TN-C-S and TT systems

##### SPLIT LOAD

Split load units are supplied with a pre-fitted switch, RCD(s) and suitable cables

### METAL CONSUMER UNITS

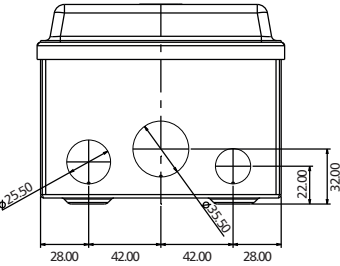
| WAYS | DIMENSIONS    |                                               |                                                                   |
|------|---------------|-----------------------------------------------|-------------------------------------------------------------------|
|      | A             | B                                             | C                                                                 |
|      | OVERALL WIDTH | DISTANCE BETWEEN CENTRES OF FIXING HORIZONTAL | DISTANCE BETWEEN CENTRES VERTICALLY AS ORIENTATED IN THE DIAGRAMS |
| 4    | 144           | 85                                            | 147                                                               |
| 8    | 238           | 168                                           | 147                                                               |
| 12   | 310           | 240                                           | 147                                                               |
| 16   | 382           | 308                                           | 147                                                               |
| 21   | 472           | 400                                           | 147                                                               |

# MK SENTRY

## Surface Metal Consumer Units and Enclosures

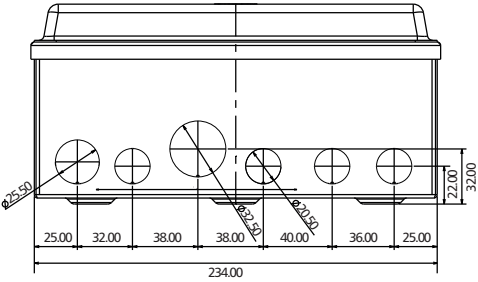
Dimensions (mm) Knockout

Y5604sMET



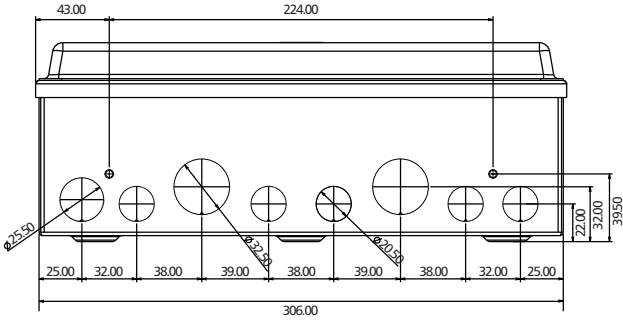
4Way

Y5608sMET



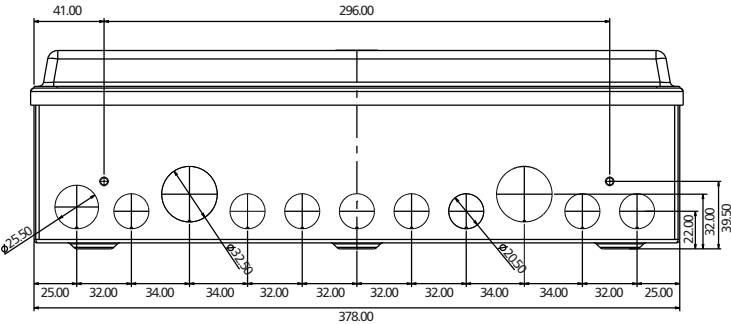
8Way

Y5612sMET



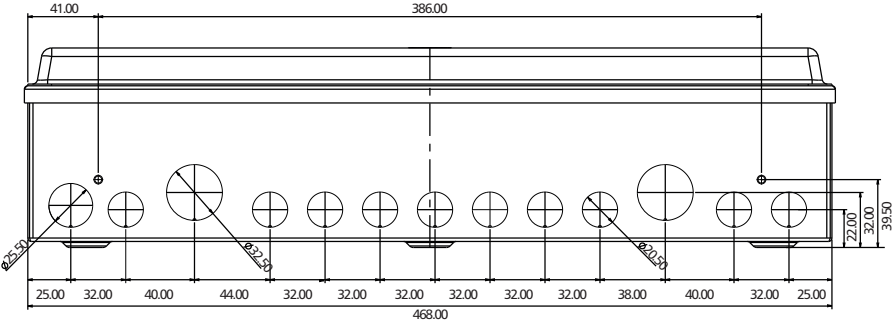
12Way

Y5616sMET



16 Way

Y5621sMET



21 Way

# MK SENTRY

## Surface Metal Consumer Units and Enclosures

### Range

| PART NUMBER | DESCRIPTION                                                                       | WEIGHT (KG) |
|-------------|-----------------------------------------------------------------------------------|-------------|
| Y5604SMET   | 4 WAY ENCLOSURE                                                                   | 1.9         |
| Y5608SMET   | 8 WAY ENCLOSURE                                                                   | 2.7         |
| Y5612SMET   | 12 WAY ENCLOSURE                                                                  | 3.4         |
| Y5616SMET   | 16 WAY ENCLOSURE                                                                  | 4.0         |
| Y5621SMET   | 21 WAY ENCLOSURE                                                                  | 4.7         |
| Y5704SMET   | 4 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR                                     | 2.1         |
| Y5708SMET   | 8 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR                                     | 2.9         |
| Y5712SMET   | 12 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR                                    | 3.5         |
| Y5716SMET   | 16 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR                                    | 4.1         |
| Y5721SMET   | 21 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR                                    | 4.8         |
| Y5682SMET   | 12 WAY ENCLOSURE WITH 100A SDC AND 63A RCD TYPE AC 30MA                           | 3.9         |
| Y5662SMET   | 12 WAY ENCLOSURE WITH 100A SDC AND 80A RCD TYPE AC 30MA                           | 3.9         |
| Y5685SMET   | 16 WAY ENCLOSURE WITH 100A SDC AND 80A RCD TYPE AC 30MA                           | 4.5         |
| Y5689SMET   | 16 WAY ENCLOSURE WITH 100A SDC AND 63A RCD TYPE AC 30MA                           | 4.5         |
| Y5684SMET   | 21 WAY ENCLOSURE WITH 100A SDC AND 80A RCD TYPE AC 30MA                           | 5.3         |
| Y5666SMET   | 16 WAY ENCLOSURE WITH 100A SDC AND 2X 63A RCD TYPE AC 30MA                        | 4.8         |
| Y5688SMET   | 16 WAY ENCLOSURE WITH 100A SDC AND 2X 80A RCD TYPE AC 30MA                        | 4.8         |
| Y5686SMET   | 16 WAY ENCLOSURE WITH 100A SDC AND 63A/80A RCD TYPE AC 30MA                       | 4.8         |
| Y5683SMET   | 21 WAY ENCLOSURE WITH 100A SDC AND 2X 63A RCD TYPE AC 30MA                        | 5.7         |
| Y5687SMET   | 21 WAY ENCLOSURE WITH 100A SDC AND 2X 80A RCD TYPE AC 30MA                        | 5.6         |
| Y5681SMET   | 21 WAY ENCLOSURE WITH 100A SDC AND 63A/80A RCD TYPE AC 30MA                       | 5.6         |
| Y6550SMET   | 4 WAY ENCLOSURE WITH 63A RCD TYPE AC 30MA SDC AND 6A/16A MCB B-CURVE              | 2.3         |
| Y9550SMET   | 4 WAY ENCLOSURE WITH 80A RCD TYPE A 30MA SDC AND 6A/16A MCB B-CURVE               | 2.3         |
| Y6551SMET   | 4 WAY ENCLOSURE WITH 63A RCD TYPE AC 30MA SDC AND 50A MCB B-CURVE                 | 2.2         |
| Y9551SMET   | 4 WAY ENCLOSURE WITH 80A RCD TYPE A 30MA SDC AND 50A MCB B-CURVE                  | 2.2         |
| Y6552SMET   | 8 WAY ENCLOSURE WITH 63A RCD TYPE AC 30MA SDC AND 6A(x3)/20A(x2)/ 16A MCB B-CURVE | 3.56        |

| PART NUMBER | DESCRIPTION                                                                                                                   | WEIGHT (KG) |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|
| Y9552SMET   | 8 WAY ENCLOSURE WITH 80A RCD TYPE A 30MA SDC AND 6A(x3)/20A(x2)/16A MCB B-CURVE                                               | 3.56        |
| Y7663SMET   | 12 WAY ENCLOSURE WITH 100A SDC, 63A RCD TYPE 30MA, 6A(x2)/16A(x2)/ 32A (x2) MCB B-CURVE AND 6A/4A RCBO TYPE AC 30MA - B CURVE | 4.5         |
| Y7673SMET   | 12 WAY ENCLOSURE WITH 100A SDC AND 6A(x2)/16A/32A(x2)/40A RCBO TYPE AC 30MA - B CURVE                                         | 4.8         |
| Y9673SMET   | 12 WAY ENCLOSURE WITH 100A SDC AND 6A(x2)/16A/32A(x2)/40A RCBO TYPE A 30MA - B CURVE                                          | 4.8         |
| Y7664SMET   | 12 WAY ENCLOSURE WITH 100A SDC, 63A RCD TYPE 30MA (x2) AND 6A(x2)/16A/32A(x2)/40A MCB B CURVE                                 | 4.8         |
| Y7665SMET   | 16 WAY ENCLOSURE WITH 100A SDC, 63A RCD TYPE 30MA (x2) & 6A(x2)/16A(x2)/32A(x3)/40A MCB B CURVE                               | 5.7         |
| Y7666SMET   | 16 WAY ENCLOSURE WITH 100A SDC, 63A RCD TYPE 30MA (x2) & 6A(x3)/16A(x2)/32A(x4)/40A MCB B CURVE                               | 5.8         |
| Y7678SMET   | 21 WAY ENCLOSURE WITH 100A SDC, 63A/80A RCD TYPE AC 30MA & 6A(x3)/16A(x2)/20A(x2)/32A(x4)/ 40A MCB B CURVE                    | 6.9         |
| Y8664SMET   | 12 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2) TYPE A AND 6A(x2)/16A/32A(x2)/40A MCB B CURVE                       | 4.9         |
| Y8665SMET   | 16 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2) TYPE A AND 6A(x2)/16A(x2)/32A(x3)/40A MCB B CURVE                   | 5.7         |
| Y8666SMET   | 16 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2) TYPE A & 6A(x3)/16A(x2)/32A(x4)/40A MCB B CURVE                     | 6.0         |
| Y8678SMET   | 21 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2) TYPE A & 6A(x3)/16A(x2)/20A(x2)32A(x4)/40A MCB B CURVE              | 6.9         |
| YS5704SMET  | 4 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR & SURGE DEVICE                                                                  | 2.1         |
| YS5708SMET  | 8 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR & SURGE DEVICE                                                                  | 3.2         |
| YS5712SMET  | 12 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR & SURGE DEVICE                                                                 | 3.8         |
| YS5716SMET  | 16 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR & SURGE DEVICE                                                                 | 4.0         |
| YS5721SMET  | 21 WAY ENCLOSURE WITH 100A SWITCH DISCONNECTOR & SURGE DEVICE                                                                 | 4.7         |
| YS8666SMET  | 16 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2), 6A(x2)/16A(x2)/32A(x3)/40A MCB B-CURVE AND SURGE DEVICE            | 5.9         |
| YS8678SMET  | 21 WAY ENCLOSURE WITH 100A SDC, 100A RCD TYPE A 30MA (x2), 6A(x3)/16A(x2)/20A(x2)/32A(x4)/40A MCB B CURVE & SURGE DEVICE      | 7.3         |