

# electrium



Distribution Boards  
& Devices





electrium

LAKEVIEW  
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2005

Electrium Sales Ltd. is a Siemens company,  
Wylex is part of Electrium Sales Ltd.

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Certificate Number 18828  
ISO 9001, ISO 14001, ISO 45001



2013-RTL-L4-75  
2013-RTL-L4-36



Testing Laboratory No. 1460  
Testing Laboratory No. 2003



As a leading manufacturer of electrical installation equipment,  
Wylex is committed to the continual improvement of all quality assurance  
procedures and performance.

WHY CHOOSE ANYTHING LESS?

# GOOD REASONS TO CHOOSE WYLEX

(THERE'S NO END OF THEM)



UK Based development teams design distribution board products from scratch and look after every stage of the design and performance validation process.

As part of the Siemens family Wylex benefits from the Siemens global manufacturing network by sourcing circuit protection devices 'in house' meaning you can be sure of the quality and the performance of the product.



The Wylex test laboratory in Manchester is accredited by the United Kingdom Accreditation Service (UKAS). This ensures everyone from specifiers, purchasers and users can have complete confidence in the standards of goods and in the provision of services at every stage of the supply chain.

With an extensive range of commercial circuit protection products made in the UK, for the UK, finding the right product for your needs from the catalogue should be easy.






Wylex offers specifiers & installers a comprehensive range of commercial and industrial circuit protection products with three phase MCB distribution boards.

Devices, including surge protection devices, contactors, timers, meters and switch disconnectors alongside MCBs, RCBOs and AFDDs complete the range.

Other ranges include MCCB panelboards and MCCB devices.


Plus a range of fuse switch combination units and enclosed isolators in TP&N or SP&N configurations.

# #42



Our AFDD combines with our miniature RCBO for the highest level of protection.

# #34



Overvoltage protection. We've been doing it for years.

# #14



Cutting edge Siemens technology inside.

# #1



We don't compromise, because circuit protection saves lives.

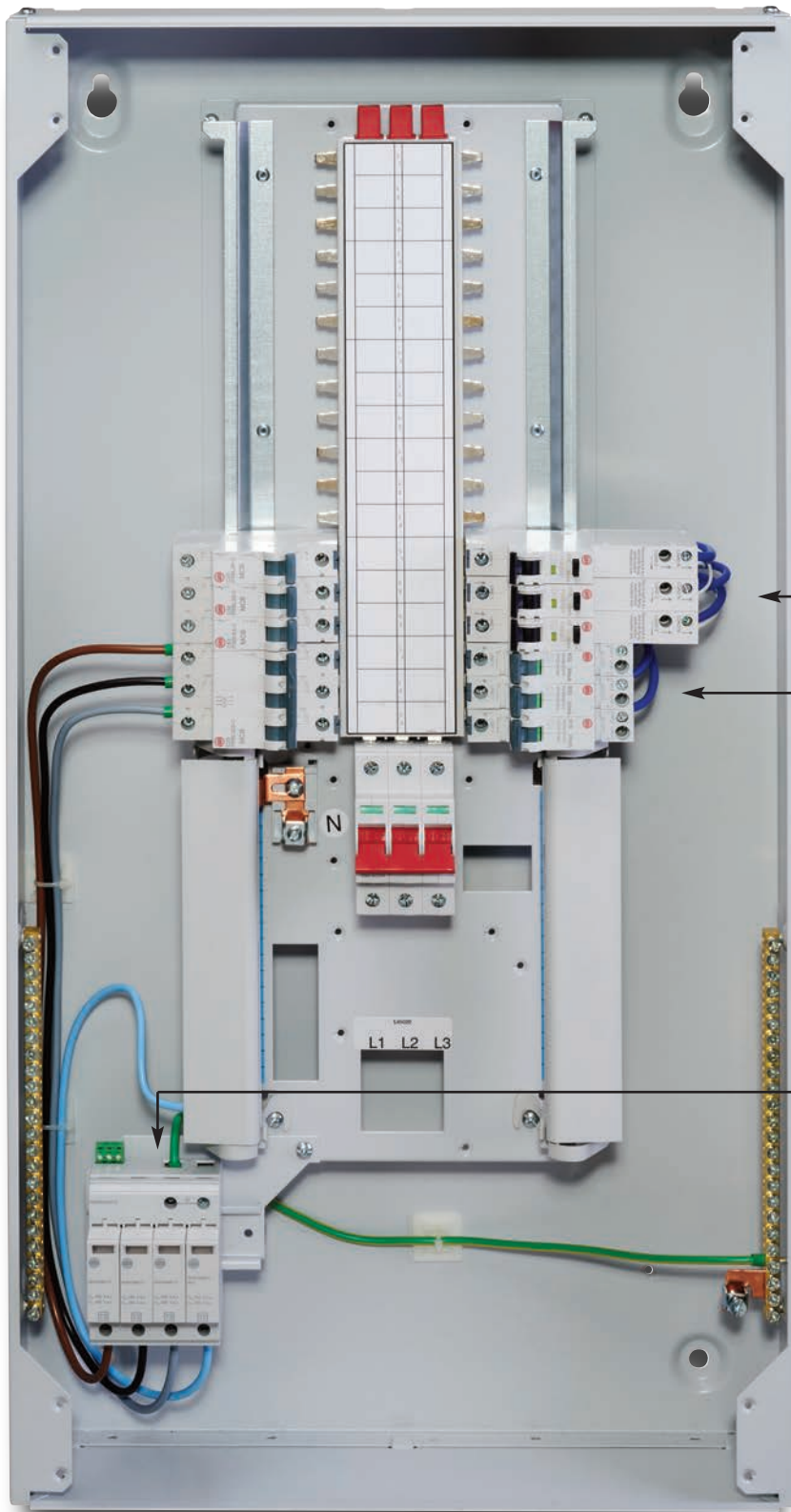
# #63

Surge Protection - safeguarding your data and productivity.



WHY CHOOSE ANYTHING LESS?

# NH DISTRIBUTION BOARDS & DEVICES



## **Regulation 411.3.3**

Now requires all socket outlets (to a max rating of 32A) to be protected by a 30mA device in every installation where the socket outlets are used by ordinary persons, disabled persons or children. No exceptions are permitted.

Wylex MCB distribution boards accept 10kA 30mA single pole RCBOs or 6kA 30mA RCBOs with switched neutral.

## **Regulation 421.1.7**

Now states AFDDs must be installed to protect circuits serving socket outlets (up to max rating 32A) in High Risk Residential Buildings, Houses in Multiple Occupation, Purpose Built Student Accommodation, and in Care Homes.

All Wylex MCB distribution boards accept 10kA Miniature AFDDs (with integral Type A RCBO).

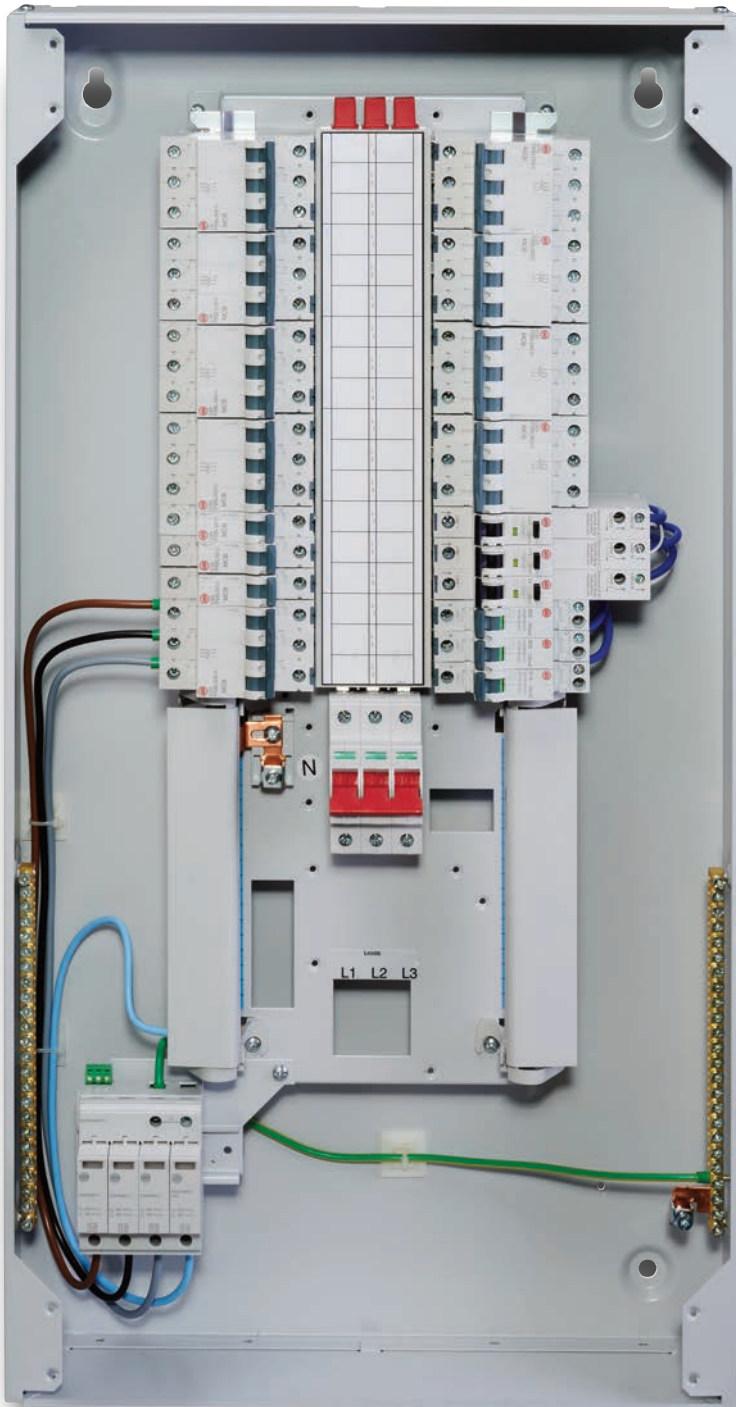
AFDDs are also recommended for circuits serving socket outlets up to 32A in all other types of buildings too.

## **Regulation 443.4.1**

Now states that transient overvoltage protection must be provided where the consequence of overvoltage can cause serious injury to, or loss of, human life, the failure of a safety service, significant financial or data loss. No exceptions are permitted in these cases.

Transient overvoltage is also required in all other cases too. Unless the owner of the installation declares its not required and losses are tolerable and they accept the risks and consequences.

# NH DISTRIBUTION BOARDS & DEVICES



- MCBs 3A - 63A
- 80A MCBs available for use in 250A Distribution Boards
- B, C & D Trip Characteristics
- Single, Double and Triple Pole
- 18mm Modular Width
- 10kA in accordance with BS EN 60898-1
- 125A or 250A TP&N Distribution Boards
- From 4 TP ways to 24 TP ways
- Three Pole or Four Pole Incomers
- Switch Disconnecter or MCCB Incomers
- Direct Connect Incomer Kit
- Integral Type 2 Surge Protection Kits
- Enclosed Type 1, 2, & 1/2 SPD options available
- Miniature 10kA AFDD compatible
- Miniature RCBO compatible
- Integral Meter options
- Add-on Meter options
- Lighting & Power - Split Metered Boards
- Removable Gland Plates top and bottom
- Raised Pan Assembly
- Removeable Pan Assembly
- Extension Enclosures for DIN Devices
- Fully type tested to IEC/BS EN 61439-3



# WYLEX 10KA AFDD/RCBOS

## Regulation 421.1.17

This regulation states Arc Fault Detection Devices (AFDDs) conforming to BS EN 62606 shall be provided for single-phase AC circuits supplying socket outlets with a rated current not exceeding 32A in:



**High Risk Residential Buildings (HRRB)** – assumed to be residential buildings over 18m in height or greater than 6 stories. These can also be defined in risk management procedures adopted by fire and rescue services.



**Houses of Multiple Occupancy (HMO)** – a property that has more than 3 tenants forming more than 1 household sharing toilet, bathroom, or kitchen facilities with other tenants.



**Purpose-built student accommodation (PBSA)** – built specifically by private developers for students to live in including both cluster flats and private studios and can also include a variety of leisure facilities.



**Care Homes** – residential or nursing homes providing accommodation, personal care, nursing and support for a variety of people

For all other premises the use of AFDDs conforming to BS EN 62606 is recommended for single phase AC circuits supplying socket outlets not exceeding 32A. Where used AFDDs shall be placed at the origin of the circuit to be protected



## Causes of Arc Faults

Arc faults are unpredictable and can occur over a variety of durations from hours to years and depend on the initial cause. Temperatures of up to 6000°C can be generated to cause an eventual fire.

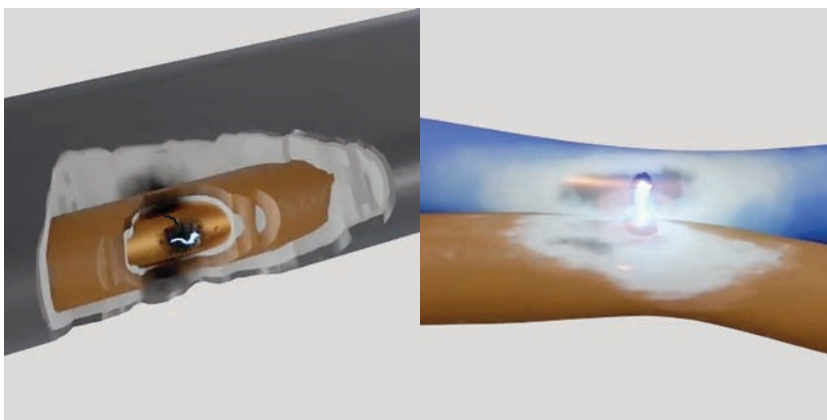


**Cable/insulation damage** – caused by foreign object (nails, sharp edges, or drilling), kinks and incorrect bends in cables, frequent use and movement of cables (vacuum cleaners etc)

**Rodent damage** – chewing through cables

**Loose terminations** – incorrectly connected plugs and sockets, incorrect wire stripping, loose screw connection

## Types of Arc Faults



**Series arc fault** – originates from damaged cables and loose connections

**Parallel arc fault** – fault between L-N / L-E or High impedance due to damaged insulation

## Examples of potential uses in Commercial applications



**Museums** – valuable/irreplaceable items that can be unmonitored for extended periods of time



**Offices** – computers and data hubs at risk where the power is left on overnight whilst no one is in the building



**Retail & Leisure** – expensive equipment where a fire may cause significant cost and disruption to replace. Also, accommodation above retail premises to protect.



**Schools, Universities, Education** – Fire can cause injury through panic in densely populated buildings.



Properties with high fire risk and combustible materials like barns, stores, and wood working shops

# **We are pleased to announce the launch of the Wylex 10kA Miniature AFDD/RCBO in B & C curve from 6A to 32A.**

Full 10kA short circuit rating in a single module MCB sized device:

- No need for short circuit recalculations
- No need for additional back up protection
- No need for AFDD only distribution boards or add on sections
- No need for additional space or wasted circuits within distribution boards
- No need for additional wiring

This leads to:

- Save Time
- Save Space
- Save Money



# **ULTIMATE PROTECTION IN A MINIATURE DEVICE FROM WYLEX**



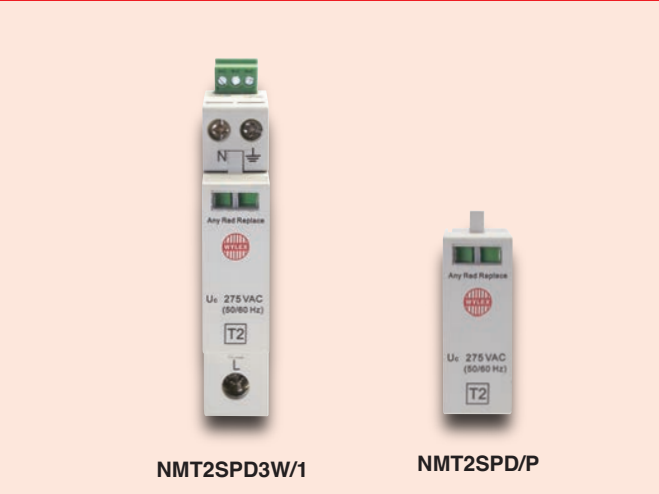


**NHSPN00191L**

## 100A TYPE 'A' SPN DISTRIBUTION BOARD

No of SP Ways	H	W	D	List No
5	235	187	133	<b>NHSPN0051L</b>
8	235	242	133	<b>NHSPN0081L</b>
11	235	292	133	<b>NHSPN00111L</b>
14	235	343	133	<b>NHSPN00141L</b>
16	235	438	133	<b>NHSPN00161L</b>
19	235	438	133	<b>NHSPN00191L</b>

- A wide range of custom built variations are also available contact Wylex Technical for full details.
- A Type distribution boards are compatible with 10kA AFDDs, MCBs & RCBOs, and 6kA AFDDs & RCBOs
- Maximum outgoing device rating 50A



**NMT2SPD3W/1**

**NMT2SPD/P**

## SURGE PROTECTION DEVICE

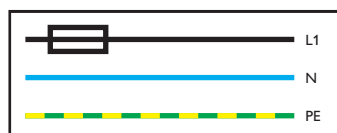
Description	List No
Single Module Type 2 SPD	<b>NMT2SPD3W/1</b>

## REPLACEMENT PLUG-IN CARTRIDGE

Description	List No
Replacement Plug-in Cartridge for <b>NMT2SPD3W/1</b>	<b>NMT2SPD/P</b>

- Suitable for all Single Phase 3 Wire Systems TN-C-S, TN-S and TT
- Combined Metal Oxide Varistor (L1 & N) and Gas Discharge Tube (N & E)
- Clear Indication of device status
- Fitted with remote signalling contact
- Suitable for use in Main Switch, Split Load & Hi-Integrity consumer unit configurations
- Not suitable for Dual RCD configurations

Alternative SPD products are available for Dual RCD consumer unit installations. Please contact Wylex technical for further assistance.



**TN-S / TT / TN-C-S**  
Single Phase Supply -  
Separate Protective Earth &  
Neutral

**Type 2 Surge Arresters** provide protection against overvoltage originating from switching and the secondary effects of lightning strikes. These devices will discharge current having an 8/20 $\mu$ s waveform and provide a low voltage protection level of  $\leq 1.3$ kV (Up) for sensitive electronic equipment exceeding the requirements for category II equipment identified within table 44.3 (BS7671).

Surge and lightning arresters have a lifespan directly related to the number and magnitude of their operations.

All Wylex devices provide visual life status indication.

The plug in unit must be removed during installation insulation resistance testing.



**NHTN04L**

## 125A TYPE 'B' TPN DISTRIBUTION BOARDS

No of TP Ways	H	W	D	List No
4	490	430	155	<b>NHTN04L</b>
6	570	430	155	<b>NHTN06L</b>
8	650	430	155	<b>NHTN08L</b>
12	815	430	155	<b>NHTN12L</b>
16	895	430	155	<b>NHTN16L</b>
20	1000	430	155	<b>NHTN20L</b>
24	1140	430	155	<b>NHTN24L</b>

- Suitable for use with switch disconnector, RCD or direct connection incomer arrangement
- 125A B type distribution boards are compatible with 10kA AFDDs, MCBs & RCBOs, and 6kA AFDDs & RCBOs
- Accepts 3A to 63A MCBs



**NHTN08L250**

## 250A TYPE 'B' TPN DISTRIBUTION BOARDS

No of TP Ways	H	W	D	List No
4	768	430	155	<b>NHTN04L250</b>
6	822	430	155	<b>NHTN06L250</b>
8	876	430	155	<b>NHTN08L250</b>
12	984	430	155	<b>NHTN12L250</b>
16	1092	430	155	<b>NHTN16L250</b>
20	1200	430	155	<b>NHTN20L250</b>
24	1308	430	155	<b>NHTN24L250</b>

- Suitable for use with switch disconnector, MCCB or direct connect incomer arrangement
- 250A B type distribution boards are compatible with 10kA AFDDs, MCBs & RCBOs
- Accepts 3A to 80A MCBs



**WS123**



**NHTPDC**



**NHAB2**

## NH TYPE B BOARD INCOMERS

Description	Rating	List No
3 Pole 3 module switch	63A	<b>WS603</b>
3 Pole 3 module switch	100A	<b>WS103</b>
3 Pole 3 module switch	125A	<b>WS123</b>
4 Pole 4 module switch*	100A	<b>WS104</b>
4 Pole 4 module switch*	125A	<b>WS124</b>
Four Pole Incomer Connection Kit*	100A	<b>NH4PINKIT</b>
Direct connection	125A	<b>NHTPDC</b>
2 Pole 2 module switch	125A	<b>WS122</b>
Single phase adaptor kit	125A	<b>NHSPAK</b>
3 Pole Switch Disconnecter+	250A	<b>NH250LTPSD</b>
4 Pole Switch Disconnecter+	250A	<b>NH250L4PSD</b>
3 Pole MCCB Incomer+	250A	<b>NH250LTPMB</b>
4 Pole MCCB Incomer+	250A	<b>NH250L4PMB</b>
Direct connection+	250A	<b>NH250LDCK</b>

- Single phase kit requires DP Isolator

\* Four Pole DIN Incomers require Incomer connection Kit. REF, NH4PINKIT

+ Incomers for NHTN25xx range only

## EXTENSION & ACCESSORY BOXES

Description	List No
Cable extension box (plain)	<b>NHEB</b>
DIN accessory box single row (plain)	<b>NHEB/DIN</b>

DIN Modules	H	W	D	List No
18	245	430	155	<b>NHAB</b>
36	410	430	155	<b>NHAB2</b>
54	570	430	155	<b>NHAB3</b>
72	735	430	155	<b>NHAB4</b>
90	815	430	155	<b>NHAB5</b>

- 18 modules per row

## ACCESSORIES

Description	List No
Replacement gland plate	<b>NHEP11</b>
1 Module blank	<b>NHBL1</b>
3 Module blank	<b>NHBL3</b>
6 Module blank	<b>NHBL6</b>
9 Module blank	<b>NHBL9</b>
Blanking plate - Twist fit	<b>NH00PP</b>
Busbar insulators (pack of 5)	<b>NH18BB1L</b>
Locking device for MCB	<b>MCBLDX</b>
Padlock for MCBLDX	<b>WPL</b>
MCB Board lock	<b>NHPBDL</b>
Door lock with padlocking device	<b>PDDPL</b>
14 terminal clean earth kit	<b>NHCEKIT</b>
20 terminal clean earth kit	<b>NHCEKIT20</b>
Locking device for incoming switch	<b>NHMSL</b>
Busbar tap off kit	<b>NHBBTOK</b>
1 Module Width MCB Profile Blanking Piece	<b>NHBLM1L</b>





# NH Surge Protection Options



## INTEGRAL SURGE PROTECTION KIT FOR MCB DISTRIBUTION BOARDS

Description	List No.
125A Surge Protection Kit	<b>NHTNSP125L</b>
250A Surge Protection Kit	<b>NHTNSP250L</b>

Notes: 125A options utilise bottom LH way for protective MCB  
250A options utilise bottom RH way for protective MCB

## TECHNICAL DATA

<b>Tested in accordance with</b>	BS EN / IEC 61439-3
<b>Kit Includes</b>	
<b>Supplying MCB</b>	Icn 10kA C 25A TP
<b>Overvoltage Protection Device</b>	NHSPD4641T2 TNS 4P Remote Signalling Option Type 2 – Surge Arrester
<b>Cable Connections Included</b>	Yes

- Please note that only one of either an integral incoming meter or integral surge protection device can be installed into a distribution board

## SPD DEVICES

Description	List No
Type 1 SPD for 3P 5-wire Systems (4 Module)	<b>NHSPD4143T1</b>
Type 1+2 SPD for 3P 5-wire Systems (8 Module)	<b>NHSPD4441T12</b>
Type 2 SPD for 3P 5-wire Systems (4 Module)	<b>NHSPD4641T2</b>

- Standalone SPD devices which require an MCB in the board should be mounted in an NHAB enclosure

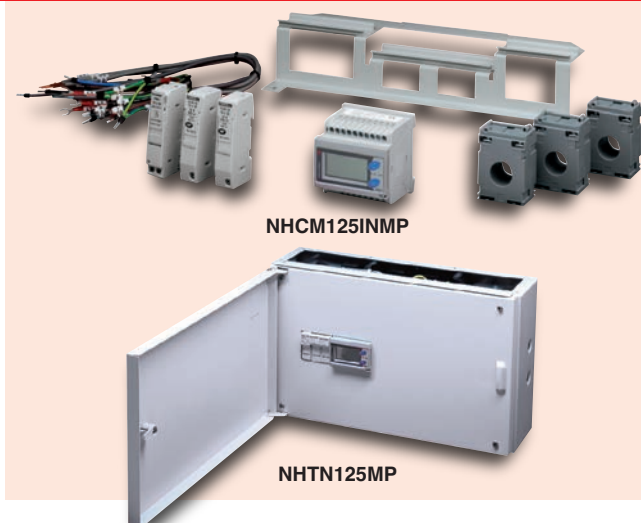


## NH ENCLOSED SURGE PROTECTION KITS

Description	List No.
Wylex 10kA Enclosed SPD kit Type 1&2	<b>NHESPDKIT1/2</b>
Wylex 10kA Enclosed SPD kit Type 1	<b>NHESPDKIT1</b>
Wylex 10kA Enclosed SPD kit Type 2	<b>NHESPDKIT2</b>

### Features

- Complete with cable looms, enclosure, protective MCB, 32mm nut & washer, and hole cut out template
- Can be mounted either on the left or right hand side of the distribution board
- Suitable for TNS earthing systems
- Remote signalling contact included
- Can be installed beside any 125A or 250A Alpha BSII distribution board
- Requires 32mm holesaw (not supplied)



## NH DISTRIBUTION BOARD INTEGRAL INCOMING SUPPLY METER KITS

Description	List No.
125A Std Integral Meter kit	<b>NHCM125INMP</b>
125A MID Integral Meter kit	<b>NHMID125INMP</b>

- For use with 125A Type B TPN Distribution Boards
- Complete with meter, current transformers & cable loom
- Digital meter with kWh, amps, and volts readout

250A Std Integral Meter kit	<b>NHCM250INMP</b>
250A MID Integral Meter kit	<b>NHMID250INMP</b>

- For use with 250A Type B TPN Distribution Boards
- Complete with meter, current transformers & cable loom
- Digital meter with kWh, amps, and volts readout
- Meter has RS485 Modbus RTU & pulsed output options
- Please note that only one of either an integral incoming meter or integral surge protection device can be installed into a distribution board

## LIGHTING AND POWER METER KITS

Description	List No.
125A Vertical Lighting and Power Kit	<b>NHTN125VLPK</b>

- Suitable for use with 2 x 125A type B Meter Ready (MR) Distribution Boards, one mounted above the other. The kit consists of 3 phase and neutral connection cables, cable clamps and shrouding. 125A integral meter kits to be ordered separately
- Please note the maximum 3 phase load on the upper board should not exceed 100A
- Provides separate lighting and combined load readings. Power load calculated by subtraction

## SINGLE METER KIT EXTENSION BOXES

Description	List No.
125A Enclosed Add-on Meter Unit	<b>NHTN125MP</b>

- For use with 125A Type B TPN Distribution Boards
- Complete with meter, current transformers & cable loom
- Digital meter with kWh, amps, and volts readout
- Meter has RS485 Modbus RTU & pulsed output options



**NHTN125LP + 2 x NHTN04L**

## DUAL METERED LIGHTING AND POWER BOARDS

- Suitable for use with any size of distribution board of the same rating
- 49 Distribution Board combinations
- Min 2 x 4 TP ways
- Max 2 x 24 TP ways
- Any two standard size distribution boards can be mounted to the L&P metering unit to meet your specific requirements

A wide range of custom built variations are also available contact Wylex Technical for full details

## LIGHTING AND POWER METER KIT EXTENSION BOXES (TWO METERS)

Description	List No.
125A Meter extension box	<b>NHTN125LP</b>

- For use with 125A Type B TPN Distribution Boards
- Complete with meter, current transformers & cable loom
- Digital meter with kWh, amps, and volts readout

250A Meter extension box	<b>NHTN250LP</b>
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- For use with 250A Type B TPN Distribution Boards
- Complete with meter, current transformers & cable loom
- Digital meter with kWh, amps, and volts readout

For MID approved options contact Wylex Technical for full details



**NHLPV0604SL**

## 125A TP&N LIGHTING & POWER DISTRIBUTION BOARDS WITH STANDARD METERS

No of TP Ways	H	W	D	List No.
6 + 4	1303	430	155	<b>NHLPV0604SL</b>
8 + 6	1463	430	155	<b>NHLPV0806SL</b>
8 + 8	1543	430	155	<b>NHLPV0808SL</b>
12 + 4	1548	430	155	<b>NHLPV1204SL</b>
12 + 6	1628	430	155	<b>NHLPV1206SL</b>
12 + 8	1708	430	155	<b>NHLPV1208SL</b>
12 + 12	1873	430	155	<b>NHLPV1212SL</b>
16 + 6	1708	430	155	<b>NHLPV1606SL</b>
16 + 8	1788	430	155	<b>NHLPV1608SL</b>
16 + 12	1953	430	155	<b>NHLPV1612SL</b>

- Suitable for use with switch disconnector, RCD or direct connection incomer arrangement
- MCB distribution boards are compatible with 10 kA MCBs & RCBOs, and 6 kA Miniature AFDDs and 6 kA Miniature RCBOs
- Comes complete with a 2 channel meter



**NHLPV0806ML**

## 125A TP&N LIGHTING & POWER DISTRIBUTION BOARDS WITH MID METERS

No of TP Ways	H	W	D	List No.
8 + 6	1463	430	155	<b>NHLPV0806ML</b>
12 + 8	1708	430	155	<b>NHLPV1208ML</b>
16 + 12	1953	430	155	<b>NHLPV1612ML</b>

- Suitable for use with switch disconnector, RCD or direct connection incomer arrangement
- MCB distribution boards are compatible with 10 kA MCBs & RCBOs, and 6 kA Miniature AFDDs and 6 kA Miniature RCBOs





# 10kA NH Miniature Circuit Breakers



PSBL40-C



PSBL263-B

## SINGLE POLE MCBs

Rating	Poles	B Curve	C Curve	D Curve
3A 10kA	1	-	<b>PSBL03-C</b>	-
6A 10kA	1	<b>PSBL06-B</b>	<b>PSBL06-C</b>	<b>PSBL06-D</b>
10A 10kA	1	<b>PSBL10-B</b>	<b>PSBL10-C</b>	<b>PSBL10-D</b>
16A 10kA	1	<b>PSBL16-B</b>	<b>PSBL16-C</b>	<b>PSBL16-D</b>
20A 10kA	1	<b>PSBL20-B</b>	<b>PSBL20-C</b>	<b>PSBL20-D</b>
25A 10kA	1	<b>PSBL25-B</b>	<b>PSBL25-C</b>	<b>PSBL25-D</b>
32A 10kA	1	<b>PSBL32-B</b>	<b>PSBL32-C</b>	<b>PSBL32-D</b>
40A 10kA	1	<b>PSBL40-B</b>	<b>PSBL40-C</b>	<b>PSBL40-D</b>
50A 10kA	1	<b>PSBL50-B</b>	<b>PSBL50-C</b>	<b>PSBL50-D</b>
63A 10kA	1	<b>PSBL63-B</b>	<b>PSBL63-C</b>	<b>PSBL63-D</b>

### 80A MCB for use in 250A Distribution Boards ONLY

80A 10kA	1	-	<b>PSBL80-C</b>	-
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## TWO POLE MCBs

Rating	Poles	B Curve	C Curve	D Curve
6A 10kA	2	<b>PSBL206-B</b>	<b>PSBL206-C</b>	<b>PSBL206-D</b>
10A 10kA	2	<b>PSBL210-B</b>	<b>PSBL210-C</b>	<b>PSBL210-D</b>
16A 10kA	2	<b>PSBL216-B</b>	<b>PSBL216-C</b>	<b>PSBL216-D</b>
20A 10kA	2	<b>PSBL220-B</b>	<b>PSBL220-C</b>	<b>PSBL220-D</b>
25A 10kA	2	<b>PSBL225-B</b>	<b>PSBL225-C</b>	<b>PSBL225-D</b>
32A 10kA	2	<b>PSBL232-B</b>	<b>PSBL232-C</b>	<b>PSBL232-D</b>
40A 10kA	2	<b>PSBL240-B</b>	<b>PSBL240-C</b>	<b>PSBL240-D</b>
50A 10kA	2	<b>PSBL250-B</b>	<b>PSBL250-C</b>	<b>PSBL250-D</b>
63A 10kA	2	<b>PSBL263-B</b>	<b>PSBL263-C</b>	<b>PSBL263-D</b>
80A 10kA	2	-	<b>PSBL280-C</b>	-

- Not suitable for use in TPN distribution boards



# 10kA NH Miniature Circuit Breakers & RCBOs



PSBL316-D



PSBS32/1

## TRIPLE POLE MCBs

Rating	Poles	B Curve	C Curve	D Curve
6A 10kA	3	<b>PSBL306-B</b>	<b>PSBL306-C</b>	<b>PSBL306-D</b>
10A 10kA	3	<b>PSBL310-B</b>	<b>PSBL310-C</b>	<b>PSBL310-D</b>
16A 10kA	3	<b>PSBL316-B</b>	<b>PSBL316-C</b>	<b>PSBL316-D</b>
20A 10kA	3	<b>PSBL320-B</b>	<b>PSBL320-C</b>	<b>PSBL320-D</b>
25A 10kA	3	<b>PSBL325-B</b>	<b>PSBL325-C</b>	<b>PSBL325-D</b>
32A 10kA	3	<b>PSBL332-B</b>	<b>PSBL332-C</b>	<b>PSBL332-D</b>
40A 10kA	3	<b>PSBL340-B</b>	<b>PSBL340-C</b>	<b>PSBL340-D</b>
50A 10kA	3	<b>PSBL350-B</b>	<b>PSBL350-C</b>	<b>PSBL350-D</b>
63A 10kA	3	<b>PSBL363-B</b>	<b>PSBL363-C</b>	<b>PSBL363-D</b>

### 80A MCB for use in 250A Distribution Boards ONLY

80A 10kA	1	-	<b>PSBL380-C</b>	-
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## TYPE A SINGLE MODULE RCBO

Rating	Poles	RCD Rating	B Curve	C Curve
6A 10kA	1	30mA	<b>PSBS6-B/1</b>	<b>PSBS6/1</b>
10A 10kA	1	30mA	<b>PSBS10-B/1</b>	<b>PSBS10/1</b>
16A 10kA	1	30mA	<b>PSBS16-B/1</b>	<b>PSBS16/1</b>
20A 10kA	1	30mA	<b>PSBS20-B/1</b>	<b>PSBS20/1</b>
32A 10kA	1	30mA	<b>PSBS32-B/1</b>	<b>PSBS32/1</b>
40A 10kA	1	30mA	<b>PSBS40-B/1</b>	<b>PSBS40/1</b>
50A 10kA	1	30mA	<b>PSBS50-B/1</b>	<b>PSBS50/1</b>

- Cable tails 600 mm

## LONGTAIL TYPE A SINGLE MODULE RCBO

Rating	Poles	RCD Rating	C Curve
6A 10kA	1	30mA	<b>PSBS6/1LT</b>
10A 10kA	1	30mA	<b>PSBS10/1LT</b>
16A 10kA	1	30mA	<b>PSBS16/1LT</b>
20A 10kA	1	30mA	<b>PSBS20/1LT</b>
32A 10kA	1	30mA	<b>PSBS32/1LT</b>
40A 10kA	1	30mA	<b>PSBS40/1LT</b>
50A 10kA	1	30mA	<b>PSBS50/1LT</b>

- Type A  AC Waveform + Pulsating DC Waveform
- Cable tails 1200mm
- We recommend using LT RCBOs on any circuit above way No.12 in a TPN distribution board

## MINIATURE RCBO - TYPE A 2 POLE SWITCHING

Rating	RCD Rating	RCD Type	Switched Poles	Modules	B Curve
6A 6kA	30mA	A	2	1	<b>NHXS1B06</b>
10A 6kA	30mA	A	2	1	<b>NHXS1B10</b>
16A 6kA	30mA	A	2	1	<b>NHXS1B16</b>
20A 6kA	30mA	A	2	1	<b>NHXS1B20</b>
25A 6kA	30mA	A	2	1	<b>NHXS1B25</b>
32A 6kA	30mA	A	2	1	<b>NHXS1B32</b>
40A 6kA	30mA	A	2	1	<b>NHXS1B40</b>
C Curve					
6A 6kA	30mA	A	2	1	<b>NHXS1C06</b>
10A 6kA	30mA	A	2	1	<b>NHXS1C10</b>
16A 6kA	30mA	A	2	1	<b>NHXS1C16</b>
20A 6kA	30mA	A	2	1	<b>NHXS1C20</b>
32A 6kA	30mA	A	2	1	<b>NHXS1C32</b>
40A 6kA	30mA	A	2	1	<b>NHXS1C40</b>

- Suitable for use in 125 A MCB Distribution Boards



## 10kA AFDDs, Modular Devices & Accessories



PXSB32AFD

### COMBINED MINIATURE AFDD/RCBO 10KA WITH SWITCHED NEUTRAL

Current Rating	RCD Rating	RCD Type	Switched Poles	Module	B Curve
6A	30mA	A	2	1	<b>PXSB06AFD</b>
10A	30mA	A	2	1	<b>PXSB10AFD</b>
16A	30mA	A	2	1	<b>PXSB16AFD</b>
20A	30mA	A	2	1	<b>PXSB20AFD</b>
25A	30mA	A	2	1	<b>PXSB25AFD</b>
32A	30mA	A	2	1	<b>PXSB32AFD</b>

Current Rating	RCD Rating	RCD Type	Switched Poles	Module	C Curve
6A	30mA	A	2	1	<b>PXSC06AFD</b>
10A	30mA	A	2	1	<b>PXSC10AFD</b>
16A	30mA	A	2	1	<b>PXSC16AFD</b>
20A	30mA	A	2	1	<b>PXSC20AFD</b>
25A	30mA	A	2	1	<b>PXSC25AFD</b>
32A	30mA	A	2	1	<b>PXSC32AFD</b>

- 10kA AFDDs are compatible with 100A A Boards as well as 125A & 250A B Boards
- With Integral 2 Pole RCBO
- Comes with 1200mm Neutral cable



TMSCD21



TMTCD22



MESB-40NO

### MODULAR DIN RAIL DEVICES

Description	Module	List No
Digital Timeclock 1 channel 1xNO/NC Contact 16A	1	<b>SMSCD11</b>
Digital Timeclock 1 channel 1 x NO Contact 16A	2	<b>TMSCD21</b>
Digital Timeclock 2 channel	2	<b>TMTCD22</b>
20A 2 Pole Contactor 2 x N/C 240V Coil	1	<b>MESB-20NC</b>
20A 2 Pole Contactor 2 x N/O 240V Coil	1	<b>MESB-20NO</b>
24A 4 Pole Contactor 4 x N/C 240V Coil	2	<b>MESB-24NC</b>
24A 4 Pole Contactor 4 x N/O 240V Coil	2	<b>MESB-24NO</b>
40A 4 Pole Contactor 4 x N/C 240V Coil	3	<b>MESB-40NC</b>
40A 4 Pole Contactor 4 x N/O 240V Coil	3	<b>MESB-40NO</b>
63A 4 Pole Contactor 4 x N/O 240V Coil	3	<b>MESB-63NO</b>

- For use in DIN Enclosures EG: NH ED Range, Flexible CUs or '+' Units

Where used in a DIN enclosure it is advised to allow 1 space between every 2 contactors for ventilation and heat dissipation, which should be filled with an NHBLM1L blank module





## Lifeline RCCB Range



**WRDS80/2**

### 2 POLE RCDs – TYPE A

Rated current	Sensitivity	List No
32A	10mA	<b>WRDVS32/2</b>
40A	30mA	<b>WRDS40/2</b>
40A	100mA	<b>WRDM40/2</b>
63A	30mA	<b>WRDS63/2</b>
80A	30mA	<b>WRDS80/2</b>
100A	30mA	<b>WRDS100/2</b>
100A	100mA	<b>WRDM100/2</b>

### TIME DELAY UNITS (100ms) TYPE A

Description	Rated current	Sensitivity	List No
2P	100A	100mA	<b>WRMT100/2</b>

### TYPE B DC SENSITIVE RCD

Description	List No
16A 30mA DP RCD	<b>NSPE-5579</b>
40A 30mA DP RCD	<b>NSPE-5580</b>
40A 300mA DP RCD	<b>NSPE-5581</b>

- For use in DIN Extension Enclosures or Stand Alone Enclosures



**WRMT100/4**

### 4 POLE RCDs – TYPE A

Rated current	Sensitivity	List No
40A	30mA	<b>WRDS40/4</b>
63A	30mA	<b>WRDS63/4</b>
100A	30mA	<b>WRDS100/4</b>
40A	100mA	<b>WRDM40/4</b>
63A	100mA	<b>WRDM63/4</b>
100A	100mA	<b>WRDM100/4</b>

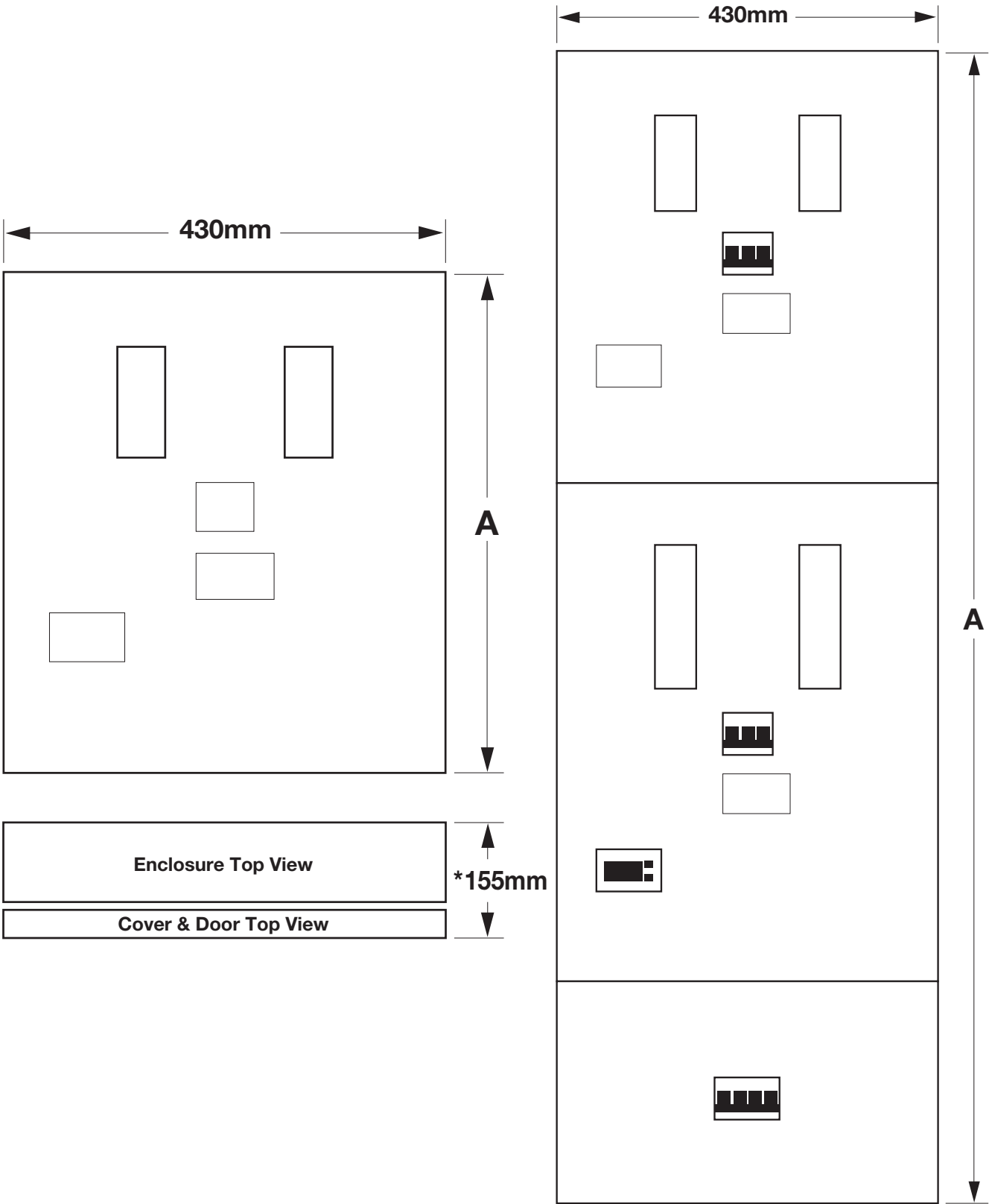
### 4 POLE RCDs TIME DELAY – TYPE A

Rated current	Sensitivity	List No
100A	100mA	<b>WRMT100/4</b>

- For use in DIN Extension Enclosures or Stand Alone Enclosures

Note: RCD incomers for DBs may not meet the requirements of BS 7671 IET Wiring Regulations e.g. risks, hazards & dangers from unwanted tripping, excessive DC current influences, leading to loss of power continuity. Designers must check all safety requirements are met, if in doubt use RCBOs on individual circuits

# TECHNICAL DATA & DIMENSIONS





# NH MCB Distribution Boards

## STANDARDS

Switches	Multipole: 415V 50Hz BSEN 60947-3 1992 Category of duty AC22A
MCBs	BSEN 60898: 1991 Type B, C and D
Short circuit rating	6 & 10kA
Distribution Boards	BS EN 60439-3
Degree of Protection	For indoor use only (IP3X)



## DIMENSIONS

### 125A DISTRIBUTION BOARDS

LIST NO	DIMENSION A mm
NHTN04L	490
NHTN06L	570
NHTN08L	650
NHTN12L	815
NHTN16L	895
NHTN20L	1000
NHTN24L	1140

Depth 165mm - all sizes

### NHAB DIN ACCESSORY BOXES

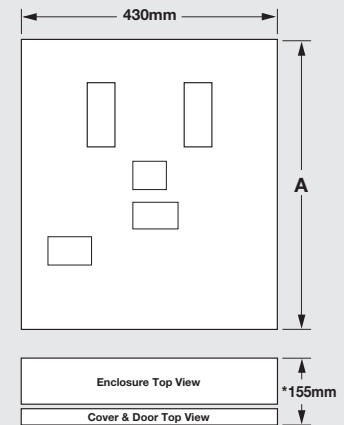
LIST NO	DIN MODULES	DIMENSION A mm
NHEB	-	240
NHEB/DIN	18	240
NHAB	18	240
NHAB2	36	387
NHAB3	54	544
NHAB4	72	756
NHAB5	90	856

### 250A DISTRIBUTION BOARDS

LIST NO	DIMENSION A mm
NHTN04L250	769
NHTN06L250	823
NHTN08L250	877
NHTN12L250	985
NHTN16L250	1093
NHTN20L250	1201
NHTN24L250	1309

### NHTN METER PACKS (EXTENSION)

LIST NO	DIMENSIONS		
	H mm	W mm	D mm
NHTN125MP	245	430	155
NHTN250MP	245	430	155



\* including fixing feet which are 3.5mm high

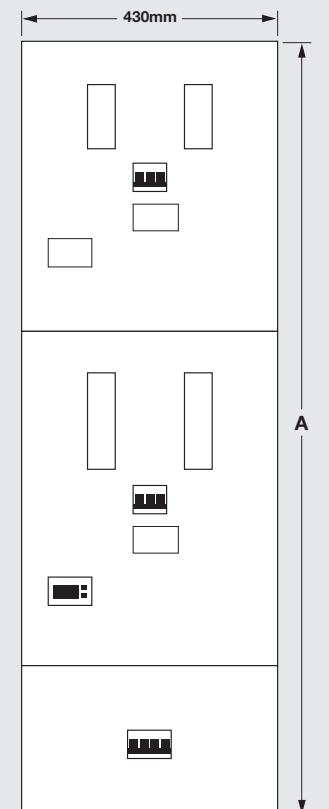
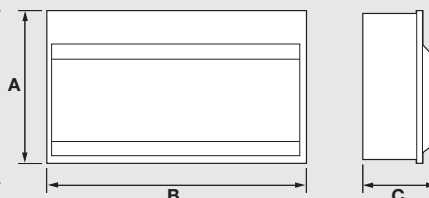
### 125A LIGHTING & POWER MCB DISTRIBUTION BOARDS

DIMENSION A mm	TOP BOARD			
	4 Way	6 Way	8 Way	12 Way
BOTTOM BOARD				
6 Way	1303	-	-	-
8 Way	-	1463	1543	-
12 Way	1548	1628	1708	1873
16 Way	-	1708	1788	1953

Distribution Board Widths - All 430mm Distribution Board Depths - All 155mm

### 100A SPN DISTRIBUTION BOARDS

LIST NO	DIMENSIONS		
	A mm	B mm	C mm
NHSPN0051L	235	188	133
NHSPN0081L	235	242	133
NHSPN00111L	235	293	133
NHSPN00141L	235	343	133
NHSPN00161L	235	437	133
NHSPN00191L	235	437	133



\* including fixing feet which are 3.5mm high





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Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Latest details can be obtained from Wylex.

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