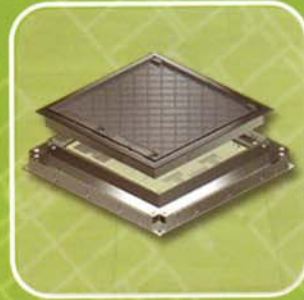


DAVIS®

Always Ahead™



Underfloor Trunking System



BS IEC CE KEMA

www.davis.com.my



Davis, well known for introducing modern underfloor cable management system 60 years ago, is a pioneer in cable management systems. Today, Davis remains at the forefront of the cable management industry.

With more than half a century of cable management leadership and technology, Davis continues to innovate and improve its vast range of cable management products which complies with the most stringent technical specifications and the highest standards of today's modern office requirements.

Davis has of a team of dynamic and dedicated pool of design engineers and professional sales force, providing first class service and support for the company's wide range of products. Our people will always be there to ensure all its high-performance products meet the ever changing trends and demands of smart homes, stylish office designs, intelligent building structures and sophisticated monumental skyscrapers.

At Davis, we always produce what the market wants. We always keep up with new challenges of the electrical industry. Davis adopts a policy of continuous improvement, producing competitively priced products and is committed to give excellent customer service which keeps us *"Always Ahead"*.

With strategically located manufacturing and support facilities and an extensive distribution network across the region, Davis is well positioned to meet every exact need and requirement of our customers all over the world.

DAVIS range of products includes:-

- Modular Flushfloor Trunking System
- Raised Floor Trunking System
- Underfloor Trunking System
- Heavy Duty Underfloor Trunking System
- 63A 240/415V Raised Floor Bustrack System
- 200A – 6300A Busway System





INTRODUCTION

DAVIS Underfloor Trunking System is designed for the distribution of power, voice and data services in floors where the trunking is buried in the screed. This system provides the simplest and most economical method of carrying services to feed a grid of outlet installation and can be used to integrate with perimeter or surface trunking systems.

DAVIS Underfloor Trunking System consists of the following components :

uPVC Underfloor Trunking
Vertical Access Boxes
Service Outlet Boxes

Metal Underfloor Trunking
Junction Boxes
Pedestal Boxes

FEATURE BENEFITS

- Constructed from pre-galvanized steel sheets in accordance with BS 4678 : Part 2, BS EN 50085-2-2 & IEC 61084-2-2.
- Trap & frame tested to withstand 4.5kN concentrated load. Underfloor trunking (screeded) tested to withstand 30kN concentrated load.
- The system incorporates numerous design features to ensure a fast and simple installation.
- Designed to support CAT 6 structured cabling systems.
- Suitable for screeded depth from 56mm to 85mm.
- Floor boxes are IP30 rated in accordance with BS EN 60529.
- Choice of 1, 2, 3 or 4 compartment floor boxes.
- Wide range of power and data accessories available to meet all requirements.

UNDERFLOOR SERVICE BOXES



CP270/xxx

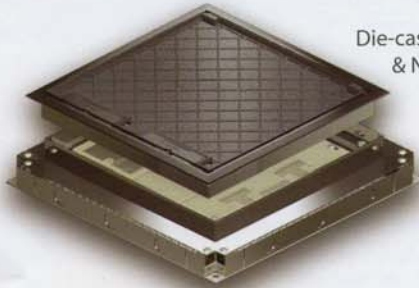


QUFSxxx

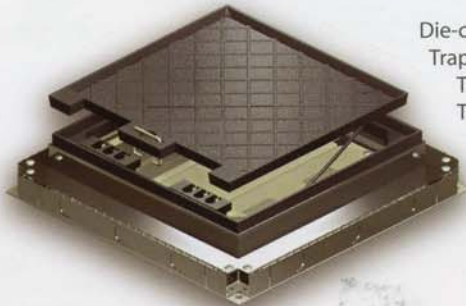
CP270 6MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
270X230X56	CP270/225/2/25	CP270/225/3/25	225X25
270X230X69	CP270/225/2/38	CP270/225/3/38	225X38
270X230X56	CP270/250/2/25	CP270/250/3/25	250X25
270X230X69	CP270/250/2/38	CP270/250/3/38	250X38

* The trap and frame are moulded from flame retardant engineering plastics (Nylon 66) reinforced with pre-galvanized steel sheets infill plate.

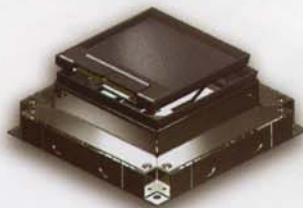


Die-cast Alloy Trap
& Nylon Frame
CP470/xxx

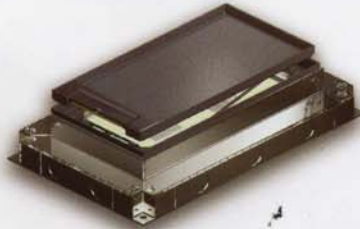


Die-cast Alloy
Trap & Frame
TF470/xxx
TF370/xxx

Metal
Trap & Frame
UFS125/xxx



Metal
Trap & Frame
UFS125250/xxx



* The metal type trap & frame are made from 1.6mm pre-galvanized steel sheets with epoxy finish.

QUANTEC 6MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
339X244X56	QUFS225/2/25	QUFS225/3/25	225X25
339X244X56	QUFS250/2/25	QUFS250/3/25	250X25
339X244X56	QUFS300/2/25	QUFS300/3/25	300X25
339X244X69	QUFS225/2/38	QUFS225/3/38	225X38
339X244X69	QUFS250/2/38	QUFS250/3/38	250X38
339X244X69	QUFS300/2/38	QUFS300/3/38	300X38

* The trap and frame are moulded from high impact flame retardant ABS plastic reinforced with pre-galvanized steel sheets infill plate.

DIE-CAST ALLOY 6MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
250X250X56	CP470/2/25	CP470/3/25	225X25
250X250X69	CP470/2/38	CP470/3/38	225X38

* The trap is made of high pressure die-cast alloy. The frame, grommet handles and hinges are moulded from flame retardant engineering plastics (Nylon 66) to give greater mechanical strength.

DIE-CAST ALLOY 9MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
250X250X56	TF470/2/25	TF470/3/25	225X25
300X300X56	TF370/2/25	TF370/3/25	300X25
250X250X69	TF470/2/38	TF470/3/38	225X38
300X300X69	TF370/2/38	TF370/3/38	300X38

* The trap and frame are made of high pressure die-cast alloy.

METAL 125X250 9MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	1 Compart.	2 Compart.	
125X250X56	UFS125250/1/25/M/9	UFS125250/2/25/M/9	125 / 250X25
125X250X69	UFS125250/1/38/M/9	UFS125250/2/38/M/9	125 / 250X38

METAL 125X125 9MM RECESS

L X W X H (mm)	Model	Trk Entry W X H (mm)
	1 Compart.	
125X125X56	UFS125/1/25/M/9	125X25
125X125X69	UFS125/1/38/M/9	125X38

UNDERFLOOR SERVICE BOXES



CP470
SERVICE
BOX



Flap Handle with Cable Retainer

- enable the trap to be shut flat while cable protruding safely through the grommet.

Levelling System

- to adapt to final floor level by a max upward lift of 16mm. (refer to Pg 12 for details)

Compartment Segregation

- boxes available in 1, 2 and 3 compartments.

Basic Box

- screed depths: (refer to Technical Data - Pg 12)
- rated IP30 in accordance with BS EN 60529.
- provided with disposable lid to prevent ingress during screeding.

Trap and Frame

- 6mm recess.
- available in metal and die-cast alloy.
- trap is prevented from detachment by a unique hinge mechanism.
- sizes 125x125 & 125x250 available in pre-galvanized steel sheets with epoxy finish.
- trap opens up to 180° flat.

Frame

- flanged edge to prevent carpet from fraying out.

90° Box Rotation

- via brackets that can be installed in either of 2 sides (for square box only).

Side Plates

- come with perforation to accept trunking and knockout holes pierced to accept 20mm conduits (25mm trunking height) or 25mm conduits (38mm trunking height).

Base Plate Fixing

- provision for fastening the box to ease installation.

SPECIFICATIONS

Basic Box:

Pre-galvanized steel sheets to BS EN 10142, BS EN 10327 or JIS G3302.

UNDERFLOOR SERVICE BOXES



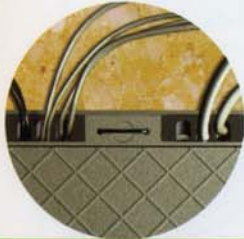
TF470 SERVICE BOX

Handle

- stainless steel handle to improve accessibility and durability.

Trap and Frame

- 9mm recess.
- available in die-cast alloy.
- trap is prevented from detachment by a unique hinge mechanism.
- sizes 125x125 & 125x250 available only in pre-galvanized steel sheets with epoxy finish.
- trap opens up to 180° flat.



Grommet with Cable Retainer

- enable the trap to be shut flat while cable protruding safely through the grommet.



Levelling System

- to adapt to final floor level by a maximum upward lift of 16mm. (refer to Pg 12 for details)

Compartment Segregation

- boxes available in 1, 2 and 3 compartments.

90° Box Rotation

- via brackets that can be installed in either of 2 sides (for square box only).

Side Plates

- come with perforation to accept trunking and knockout holes pierced to accept 20mm conduits (25mm trunking height) or 25mm conduits (38mm trunking height).

Basic Box

- screed depths: (refer to Technical Data - Pg 12)
- rated IP30 in accordance with BS EN 60529.
- provided with disposable lid to prevent ingress during screeding.

Base Plate Fixing

- provision for fastening the box to ease installation.

SPECIFICATIONS

Basic Box:

Pre-galvanized steel sheets to BS EN 10142, BS EN 10327 or JIS G3302.

UNDERFLOOR JUNCTION BOXES

Die-cast Alloy Trap
& Nylon Frame
CP460/xxx



Die-cast Alloy
Trap & Frame
TF125/xxx
TF460/xxx
TF360/xxx



Metal
Trap & Frame
UFJ270/xxx



DIE-CAST ALLOY 6MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
250X250X56	CP460/2/25	CP460/3/25	250X25
250X250X69	CP460/2/38	CP460/3/38	250X38

* The trap is made of high pressure die-cast alloy. The frame, grommet handles and hinges are moulded from engineering plastic (Nylon 66) which gives greater mechanical strength.

DIE-CAST ALLOY 9MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	1 Compart.		
125X125X56	TF125/1/25		125X25
125X125X69	TF125/1/38		125X38
	2 Compart.	3 Compart.	
250X250X56	TF460/2/25	TF460/3/25	250X25
250X250X69	TF460/2/38	TF460/3/38	250X38
300X300X56	TF360/2/25	TF360/3/25	300X25
300X300X69	TF360/2/38	TF360/3/38	300X38

* The trap and frame are made of high pressure die-cast alloy.

METAL 270 X 270 6MM RECESS

L X W X H (mm)	Model		Trk Entry W X H (mm)
	2 Compart.	3 Compart.	
270X270X56	UFJ270/225/2/25/M/6	UFJ270/225/3/25/M/6	225X25
270X270X69	UFJ270/225/2/38/M/6	UFJ270/225/3/38/M/6	225X38
270X270X56	UFJ270/250/2/25/M/6	UFJ270/250/3/25/M/6	250X25
270X270X69	UFJ270/250/2/38/M/6	UFJ270/250/3/38/M/6	250X38

* The metal trap and frame are made from 1.6mm pre-galvanized steel sheets reinforced with pre-galvanized steel sheets on the trap.

SPECIFICATIONS

Basic Box:

Pre-galvanized steel sheets to BS EN 10142,
BS EN 10327 or JIS G3302.

UNDERFLOOR JUNCTION BOXES



JUNCTION BOXES

Junction Box

- allows for 'through', 'tee', 'elbow' and 'cross' configurations.
- supports CAT 6 compliance.

Frame

- flanged edge to prevent carpet from fraying out.

Levelling System

- to adapt to final floor level by a maximum upward lift of 16mm. (refer to Pg 12 for details)

Basic Box

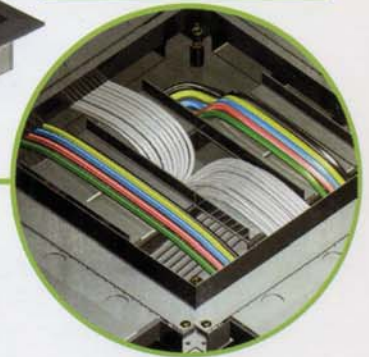
- screed depths: (refer to Technical Data - Pg 12)
- rated IP30 in accordance with BS EN 60529.
- provided with disposable lid to prevent ingress during screeding.

Trap and Frame

- 6mm and 9mm recesses.
- plain type is also available.
- available in die-cast alloy and metal.

Pre-galvanized Steel Flyover

- a two-piece flyover to ease the pulling of cables.
- compartment segregation and protection from electromagnetic interferences via a steel flyover in compliance with IEE regulations.

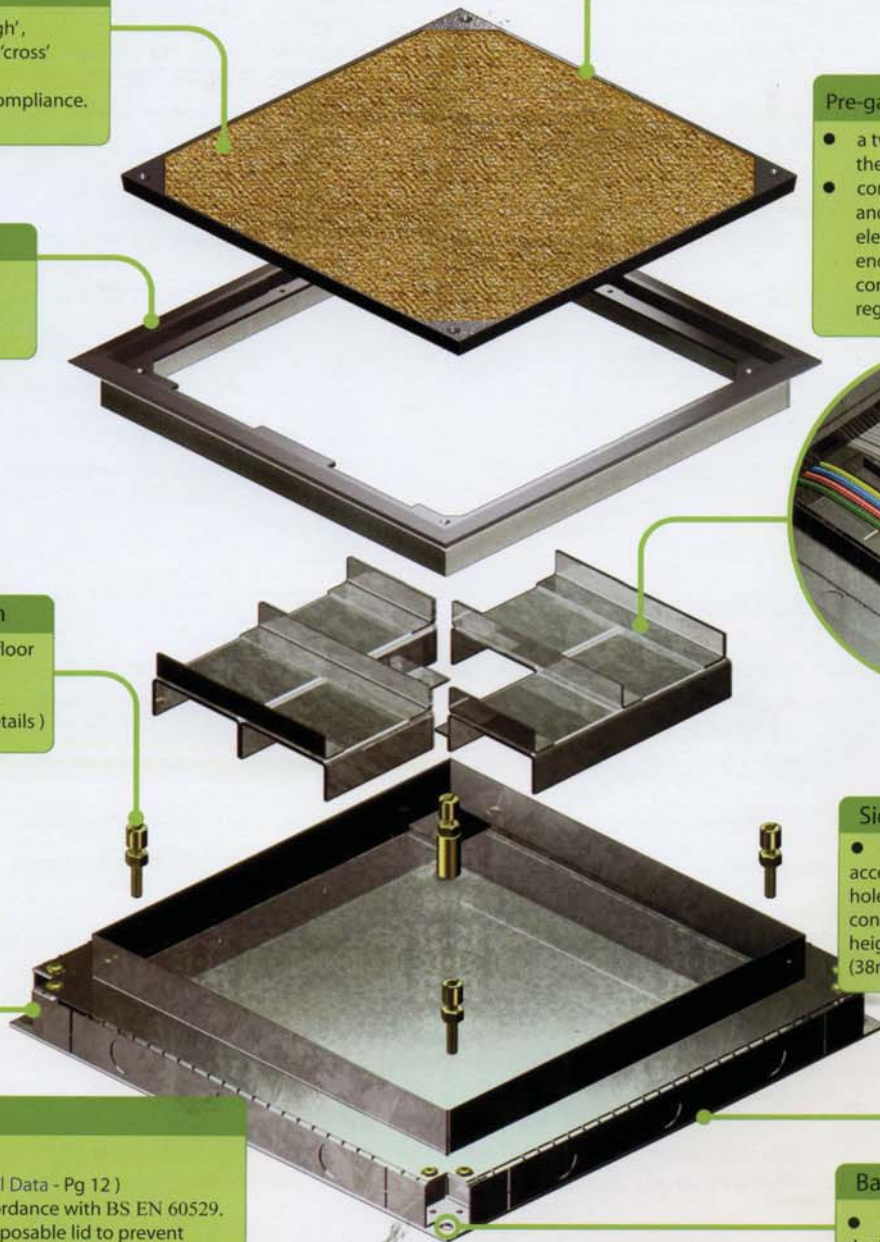


Side Plates

- come with perforation to accept trunking and knockout holes pierced to accept 20mm conduits (25mm trunking height) or 25mm conduits (38mm trunking height).

Base Plate Fixing

- provision for fastening the box to ease installation.





TECHNICAL SPECIFICATIONS

Underfloor Trunking

Material	Pre-galvanized steel sheets in accordance with BS EN 10142, BS EN 10327 or JIS G3302.
Strength	Tested under screeding to withstand 30 kN concentrated load.
International Standards	The trunking supplied shall comply with BS 4678 : Part 2, BS EN 50085-2-2 & IEC 61084-2-2.
Construction	Construction of the trunking is by channel method. This is to avoid damage to its galvanized coating to prevent corrosion. This method also adds strength to the section whilst allowing site adaptation. The top channel has continuous side returns to prevent the ingress of screed and is clamped to the base channels with two clamping saddles and a double width connecting saddle.
Standard thickness	1.2mm
Standard lengths	2.3 or 2.44 meters
No. of Compartments	2 and 3 compartments
Standard heights	25mm and 38mm

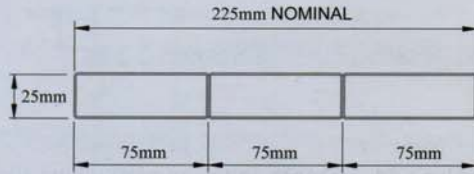
Junction Box / Service Outlet Box

Material	250x250mm or 300x300mm constructed from pre-galvanized steel sheets, suitable for screed depths from 56mm to 85mm with provision for trunking entry on four sides or 20mm conduits (for 25mm trunking height) or 25mm conduits (for 38mm trunking height) on blank sides. A throwaway lid shall be provided to prevent the ingress of screed during installation.
Strength	DAVIS underfloor boxes shall be able to withstand the following load tests:- a) Concentrated load test – 3.0kN @25mm sq. steel platen. b) Concentrated load test – 4.5kN @300mm sq. steel platen. c) Uniform distributed load test – 8.0kN/m ² . d) Maximum deflection shall not exceed 3mm for these loadings (BS EN 50085-2-2).
Construction	Covers (traps and frames) for the service outlet box and junction box shall be constructed from 3mm thick high-pressure die-cast alloy or 3mm thick pre-galvanized steel sheets with epoxy finish or plastic reinforced with 2.5mm (4.5kN) and 3mm (6.0kN) thick pre-galvanized infill steel sheets plate. All are available in 6mm recess for carpet finish or 9mm recess for tile finish.
Lid Opening	Service outlet cover shall be able to be flat open through 180°. It comes with cable grommets and cable retainers. Junction box cover is shut flat and secured by counter sunk screws.
Electromagnetic Compatibility	Junction Box shall be provided with pre-galvanized steel sheets flyover for compartment segregation. Due to electromagnetic interferences, the use of plastic flyover is not suitable. This is to comply with the latest I.E.E regulations. A service outlet box shall have fully segregated outlet panels to isolate the services in compliance with the latest I.E.E regulations.

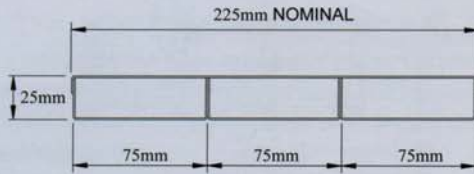


TECHNICAL DATA

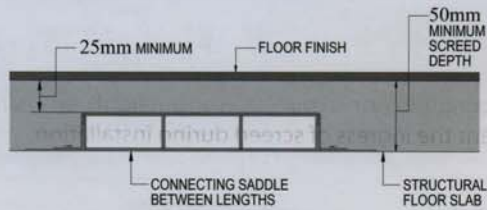
FOR 25mm TRUNKING HEIGHT



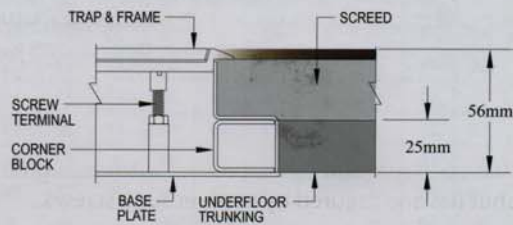
uPVC TRUNKING
(STANDARD 75mm X 25mm)



UNDERFLOOR TRUNKING
(STANDARD 25mm TRUNKING HEIGHT)



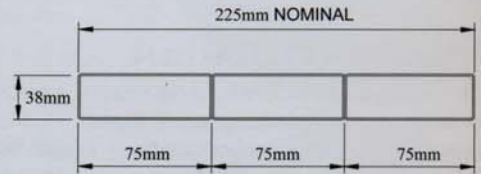
SCREEDING DEPTH



DAVIS underfloor boxes can be adjusted to suit screed depth of between 56mm and 72mm.

FLOOR BOX DEPTH

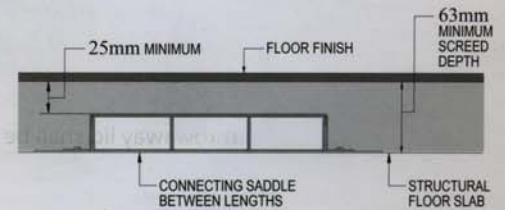
FOR 38mm TRUNKING HEIGHT



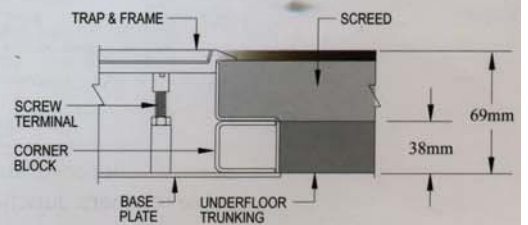
uPVC TRUNKING
(STANDARD 75mm X 38mm)



UNDERFLOOR TRUNKING
(STANDARD 38mm TRUNKING HEIGHT)



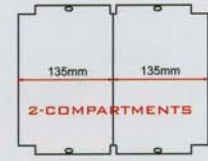
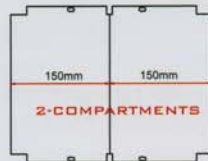
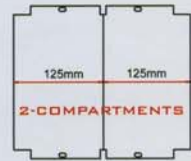
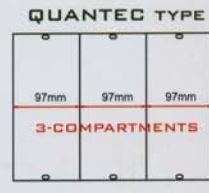
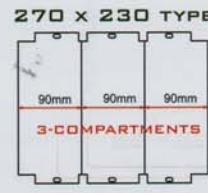
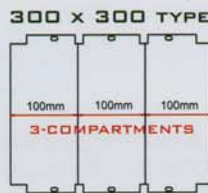
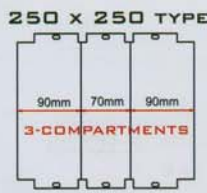
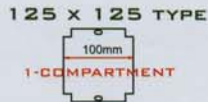
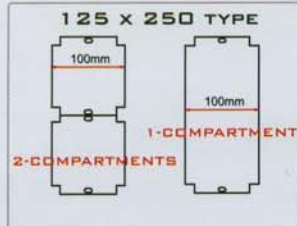
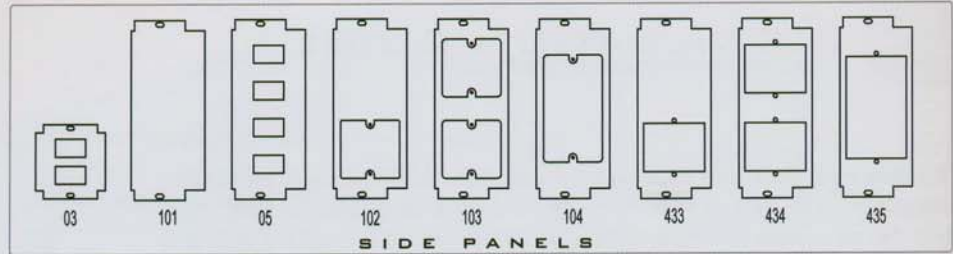
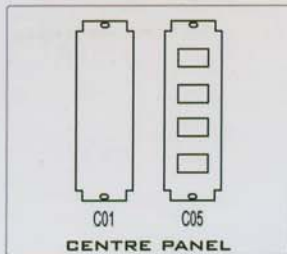
SCREEDING DEPTH



DAVIS underfloor boxes can be adjusted to suit screed depth of between 69mm and 85mm. Higher floor box depth is also available.

FLOOR BOX DEPTH

OUTLET PANELS



Description	125 x 125		125 x 250		250 x 250			QUANTEC		
	1-Comp.	1-Comp.	2-Comp.	2-Comp.	3-Comp.		2-Comp.	3-Comp.	4-Comp.	
					CENTRE	SIDES				
Blank plate				OP125 101	OP70 C01	OP90 101	ST145 C01	ST97 C01	SF72 C01	
2 nos. Cut-out RJ45 37x22.5mm	OP125 03S		OP125 03D							
4 nos. Cut-out RJ45 37x22.5mm		OP100 05D		OP125 05	OP70 C05	OP90 05	SF145 C05	ST97 C05	SF72 C05	
Cut-out in accordance to BS4662 1G	OP125 102S	OP100 102D	OP125 102D	OP125 102		OP90 102	SF145 102	ST97 102		
Cut-out in accordance to BS4662 2x1G		OP100 103D		OP125 103		OP90 103	SF145 103	ST97 103		
Cut-out in accordance to BS4662 2 G		OP100 104D		OP125 104		OP90 104	SF145 104	ST97 104		
1G 13A DAVIS Switched Socket Outlet	OP125 433S	OP100 433D	OP125 433D	OP125 433		OP90 433	SF145 433	ST97 433		
2x1G 13A DAVIS Switched Socket Outlet		OP100 434D		OP125 434		OP90 434	SF145 434	ST97 434		
2G 13A DAVIS Switched Socket Outlet		OP100 435D		OP125 435		OP90 435	SF145 435	ST97 435		

Description	300 x 300			270 x 230		
	2-Comp.	3-Comp.		2-Comp.	3-Comp.	
		CENTRE	SIDES		CENTRE	SIDES
Blank plate	OP150 101	OP100 C01	OP100 101	OP135 2 101	OP90 2 C01	OP90 2 101
4 nos. Cut-out RJ45 37x22.5mm	OP150 05	OP100 C05	OP100 05	OP135 2 05	OP90 2 C05	OP90 2 05
Cut-out in accordance to BS4662 1G	OP150 102	OP100 C102	OP100 102	OP135 2 102	OP90 2 C102	OP90 2 102
Cut-out in accordance to BS4662 2x1G	OP150 103	OP100 C103	OP100 103	OP135 2 103	OP90 2 C103	OP90 2 103
Cut-out in accordance to BS4662 2 G	OP150 104	OP100 C104	OP100 104	OP135 2 104	OP90 2 C104	OP90 2 104
1G 13A DAVIS Switched Socket Outlet	OP150 433	OP100 C433	OP100 433	OP135 2 433	OP90 2 C433	OP90 2 433
2x1G 13A DAVIS Switched Socket Outlet	OP150 434	OP100 C434	OP100 434	OP135 2 434	OP90 2 C434	OP90 2 434
2G 13A DAVIS Switched Socket Outlet	OP150 435	OP100 C435	OP100 435	OP135 2 435	OP90 2 C435	OP90 2 435

Note : All outlet panels supplied are epoxy coated. Non-standard outlet panels are also available upon request.