



**Palazzoli**  
GROUP



# topTER PRE-ASSEMBLED



**Ready for use combination and  
Custom made solutions**

# topTER

Industrial sockets  
splash proof and watertight  
IP44, IP66/IP67



## PRODUCT SPECIFICATIONS

Conformity to standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60529 IEC/EN 60947-3 IEC/EN 61439-1/3/4
Protection rating	IP44 - IP66/IP67
Impact resistance	> IK 08
Glow wire test	960°C Switch / 850°C socket insert
Self-extinguishing	VO / V2
Switch category	AC3 AC23A at Rated current
Temperature resistance	Operating -25°C +50°C

topTER is a new generation of sockets for industrial environments that have been designed for safety, reliability and durability.

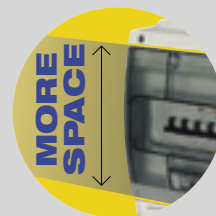
With an impressive double degree of protection to IP66 and IP67, the sockets are guaranteed protection from dust, water jets and temporary immersion.

**IEC/EN 61439:** The new standard brings along several significant changes to be considered, and these changes affect most UK specifiers, panel builders and end users. Lewden, as a competent and reliable supplier provides you with pre-assembled solutions which comply to the 61439 standard, taking care of all the related aspects and supplying a ready for use assembled unit.

### **Modularity: Self-assembly ~ Easy as 1, 2, 3**

Numerous circuits can be created with the minimum components due to the modular nature of the system where industrial, interlocked and civil sockets, including data transmissions, can be combined with absolute freedom. Just choose on of each of the following – enclosure back box, socket outlet and flange plate.

**Long-term stability:**  
generous interior spaces  
allow for optimal  
temperature dissipation,  
avoiding deteriorating and  
premature ageing of the  
board.



**16A  
32A  
63A**



**Convenience:** Pre-assembled ~ Ready for use ~

Over 80 popular configurations are available from stock and with short notice, pre-assembled off-site so that on-site work merely involves connecting the components to complete the installation with reduced time and installation costs.

**Facility:** Optimisation of interior spaces by leaving large areas of wiring, facilitates wiring and maintenance operations. For increased accessibility, all windowed enclosures have hinged fronts that can provide entry from either the right or left, providing access to the whole board.

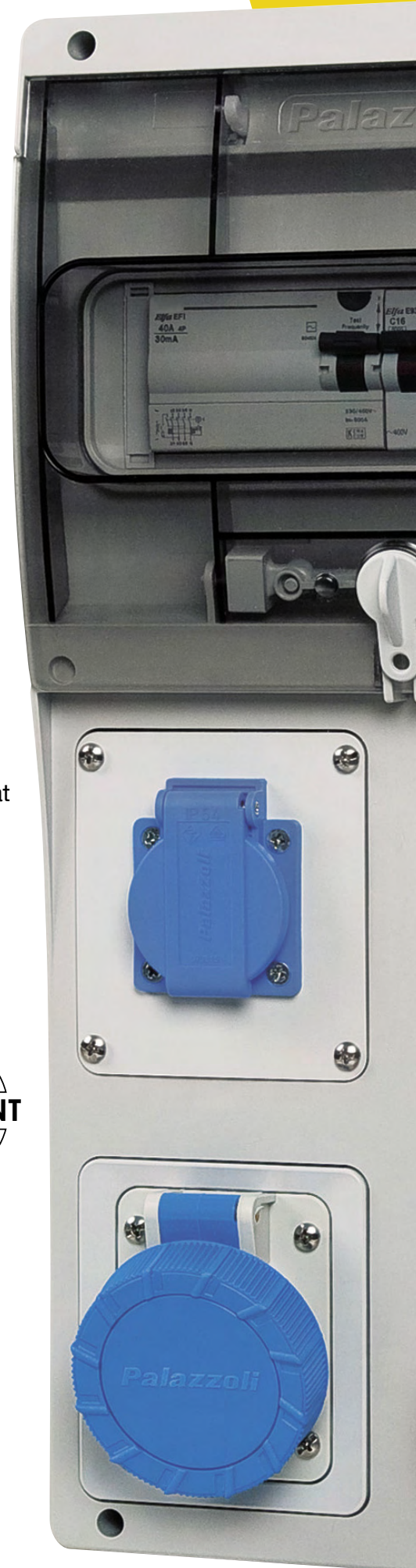
**Safety:** The interlocked sockets are equipped with rear panel isolator switches AC3-AC23A which guarantees:

- load break disconnect at nominal current
- insulation in OFF position, thanks to safe distances between contacts
- 10,000 switching cycles at full load
- prevention – all control gear windows are fitted with locking device to avoid unauthorized access.

All interlocked sockets can be locked both at position 0 and 1.




**Control:** All industrial sockets IEC60309 (the interlocked and non interlocked) can be equipped with additional micro switch contacts that allow a remote signaling of plug insertion.

**Simple to install:** The inside of the board has been designed to provide users with the freedom to install internal parts (DIN rail, equipotential bars etc.) without any need for additional drilling. Additionally, all of the boards can be set for mobile use with the simple addition of optional support bars, handles etc.






# PRE-ASSEMBLED - READY FOR USE

## MULTIPLE OUTLET PRE-WIRED

110V	230V		400V		SUPPLY	IP RATING	MAIN SWITCH	PROTECTION	ORDERING CODE		
	13A BS Standard	16A	32A	16A							32A
16A											
		2			230V	66	RCD 2P 30mA AC Class	2x 16A 1P MCB	<i>PM7138TT</i>	665201	
		2	2		230V	66	100A 2P Isolator	2x 16A 2P 30mA RCBO 2x 32A 2P 30mA RCBO	<i>PM7139TT</i>	665401	
		4			230V			4x 16A 2P 30mA RCBO	<i>PM7140TT</i>	665402	
				2	2		400V	125A 4P 30mA RCD AC Class	2x 16A 3P Type C MCB 2x 32A 3P Type C MCB	<i>PM7141TT</i>	665403
				4			400V	63A 4P 30mA RCD AC Class	4x 16A 3P Type C MCB	<i>PM7142TT</i>	665404
	4						110V	100A 2P Isolator	4x 16A 2P MCB	<i>PM7143TT</i>	665405
			4				230V	63A 2P 30mA RCD AC Class	4x 16A 1P MCB	<i>PM7144TT</i>	665406
				4			230V	125A 2P Isolator	4x 32A 2P 30mA RCBO	<i>PM7145TT</i>	665407
					4		400V	125A 4P 30mA RCD AC Class	4x 32A 3P Type C MCB	<i>PM7146TT</i>	665408
		2	2				230V	100A 2P Isolator	4x 16A 2P 30mA RCBO	<i>PM7147TT</i>	665409
			3	3	400V	66	63A 4P 30mA RCD AC Class	3x 16A 1P MCB 3x 16A 3P MCB	<i>PM7148TT</i>	665601	
			4	1	1		400V	80A 4P 30mA RCD AC Class	4x 16A 1P MCB 1x 16A 3P MCB 1x 32A 3P MCB	<i>PM7149TT</i>	665602
				2			230V	63A 2P 30mA RCD AC Class	2x 32A 1P MCB	<i>PM7150TT</i>	665603
					2		400V	63A 4P 30mA RCD AC Class	2x 32A 3P MCB	<i>PM7151TT</i>	665604



## MULTIPLE OUTLET SOCKETS

\* Not pre-wired

	110V	230V		400V		SUPPLY	IP RATING	ORDERING CODE		
	16A	13A BS Standard	16A	32A	16A					32A
<b>2 Gang Socket Outlets - Vertical</b>  	2					110V	44	<i>PM16/540/2VW</i>	665501	
			2			230V		<i>PM16/541/2VW</i>	665502	
		1	1			230V		<i>PM1316/541/2VW</i>	665503	
					2	400V		<i>PM16/548/2VW</i>	665504	
						2		400V	<i>PM32/548/2VW</i>	665505
		1				1		400V	<i>PM1332/548/2VW</i>	665506*
	2						110V	55	<i>PM16/640/2VW</i>	665507
			2				230V		<i>PM16/641/2VW</i>	665508
		1	1				230V		<i>PM1316/641/2VW</i>	665509
					2		400V		<i>PM16/648/2VW</i>	665510
	1				1	400V	<i>PM1332/648/2VW</i>		665511*	
<b>2 Gang Socket Outlets - Horizontal</b>  	2					110V	44	<i>PM16/540/2HW</i>	665701	
			2					230V	<i>PM16/541/2HW</i>	665702
		1	1					230V	<i>PM1316/541/2HW</i>	665703
		1				1		400V	<i>PM1332/548/2HW</i>	665705*
	2						110V	55	<i>PM16/640/2HW</i>	665706
			2				230V		<i>PM16/641/2HW</i>	665707
		1	1				230V		<i>PM1316/641/2HW</i>	665708
		1				1	400V		<i>PM1332/642/2HW</i>	665710*
<b>3 Gang Socket Outlets - Horizontal</b>  	3					110V	44	<i>PM16/540/3HW</i>	665901	
			3					230V	<i>PM16/541/3HW</i>	665902
		1	2					230V	<i>PM131616/541/3HW</i>	665903
	3						110V	55	<i>PM16/640/3HW</i>	665905
			3				230V		<i>PM16/641/3HW</i>	665906
		1	2				230V		<i>PM131616/641/3HW</i>	665907



# PRE-ASSEMBLED - READY FOR USE

## RCD PROTECTED SOCKETS


	110V		230V		400V				IP RATING	MAINS ISOLATOR	PROTECTION	ORDERING CODE
	16A	32A	16A	32A	16A	32A	16A	32A				
	3 PIN		3 PIN		4 PIN		5 PIN					
	1								44	VIA RCD	RCD 30mA 2P AC Class	PMRCD16/300TT 663124
		1										PMRCD32/300TT 663224
			1									PMRCD16/301TT 663126
				1								PMRCD32/301TT 663226
					1						PMRCD16/305TT 663136	
						1					PMRCD32/305TT 663236	
							1				PMRCD16/308TT 663146	
								1			PMRCD32/308TT 663246	
	1								66	VIA RCD	RCD 30mA 2P AC Class	PMRCD16/400TT 664124
		1										PMRCD32/400TT 664224
			1									PMRCD16/401TT 664126
				1								PMRCD32/401TT 664226
					1						PMRCD16/405TT 664136	
						1					PMRCD32/405TT 664236	
							1				PMRCD16/408TT 664146	
								1			PMRCD32/408TT 664246	

# PRE-ASSEMBLED ~ READY FOR USE

## RCD PROTECTED INTERLOCKS

	110V		230V		400V				IP RATING	MAINS ISOLATOR	PROTECTION	ORDERING CODE	
	16A	32A	16A	32A	16A	32A	16A	32A					
	3 PIN		3 PIN		4 PIN		5 PIN						
	1								44	VIA RCD	RCD 30mA 2P AC Class	<i>PMRCD16/300SITT</i>	660124
		1										<i>PMRCD32/300SITT</i>	660224
			1									<i>PMRCD16/301SITT</i>	660126
				1								<i>PMRCD32/301SITT</i>	660226
					1						<i>PMRCD16/305SITT</i>	660136	
						1					<i>PMRCD32/305SITT</i>	660236	
							1				<i>PMRCD16/308SITT</i>	660146	
								1			<i>PMRCD32/308SITT</i>	660246	
	1								66	VIA RCD	RCD 30mA 2P AC Class	<i>PMRCD16/400SITT</i>	661124
		1										<i>PMRCD32/400SITT</i>	661224
			1									<i>PMRCD16/401SITT</i>	661126
				1								<i>PMRCD32/401SITT</i>	661226
					1						<i>PMRCD16/405SITT</i>	661136	
						1					<i>PMRCD32/405SITT</i>	661236	
							1				<i>PMRCD16/408SITT</i>	661146	
								1			<i>PMRCD32/408SITT</i>	661246	

## 3 GANG PROTECTED SOCKETS

	110V	230V	SUPPLY	IP RATING	MAINS SWITCH	PROTECTION	ORDERING CODE	
	16A	16A						
	3		110V	66		1x 16A 2P Type C MCB 1x 25A 2P 30mA RCD AC Class	<i>PM7153TT</i>	665301
	3		110V		RCD	1x 25A 2P 30mA RCD AC Class	<i>PM7154TT</i>	665302
		3	230V			1x 16A 2P 30mA type C RCBO	<i>PM7155TT</i>	665303
		3	230V		30mA 2P RCD AC Class	3x 16A 1P Type C MCB	<i>PM7156TT</i>	665304

**ASK FOR YOUR OWN TAILOR-MADE SOLUTION**

[www.lewden.co.uk/prewired/CBrequest](http://www.lewden.co.uk/prewired/CBrequest)

**INGRESS PROTECTION  
IP44 OR IPP66/67 ?**

**WALL MOUNTED  
OR PORTABLE ?**

**SOCKET OUTLETS REQUIRED ?**

**SPECIFY YOUR REQUIREMENTS  
AND CONSIDER THE JOB DONE !**

**FAX THE COMPLETED FORM TO  
01376 322 161  
OR EMAIL IT TO  
CUSTOMBUILD@LEWDEN.CO.UK**



# CUSTOM BUILD ASSEMBLY SPECIFICATION

FAX: 01376 322 161

EMAIL: [custombuild@lewden.co.uk](mailto:custombuild@lewden.co.uk)

## 1. CUSTOMER DETAILS

Name: \_\_\_\_\_ Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel. No: \_\_\_\_\_ E-mail: \_\_\_\_\_

## 2. PRODUCT TO BE SUITABLE FOR

Fixed / Wall Mounting  Portable Use

## 3. INGRESS PROTECTION RATING

Indoor IP44  Outdoor IP66/67

## 4. INCOMING SUPPLY

AC Volts \_\_\_\_\_  
 Number of phases  1  2  3  
 Neutral available  Yes  No  
 Frequency Hz  50Hz \_\_\_\_\_ Hz

## 4A. ARRANGEMENT

• Suitable for hard-wired supply connection   
 Conductor size (if known) \_\_\_\_\_ mm<sup>2</sup>  
 • Appliance inlet   
 • Plug and lead (Cable type H07RNF)   
 Length \_\_\_\_\_ m

## 5. SOCKET OUTLETS REQUIRED

Outlet Type	Qty	Ampere Rating	Volts	Pins	Interlocked
1		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
2		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
3		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
4		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
5		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
6		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
7		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
8		<input type="checkbox"/> 16A <input type="checkbox"/> 32A <input type="checkbox"/> 63A	<input type="checkbox"/> 110V <input type="checkbox"/> 230V <input type="checkbox"/> 400V <input type="checkbox"/> Other	3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

## 6. OVERALL DISCONNECTION DEVICE

Main Switch  RCD  None

## 7. OVER CURRENT

Outlet Type	10Ka MCB	30mA RCD	RCBO (combined) MCB/ RCD
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### NOTE:

All MCBs provided are type C unless otherwise requested

## 8. ANY OTHER RELEVANT DETAILS

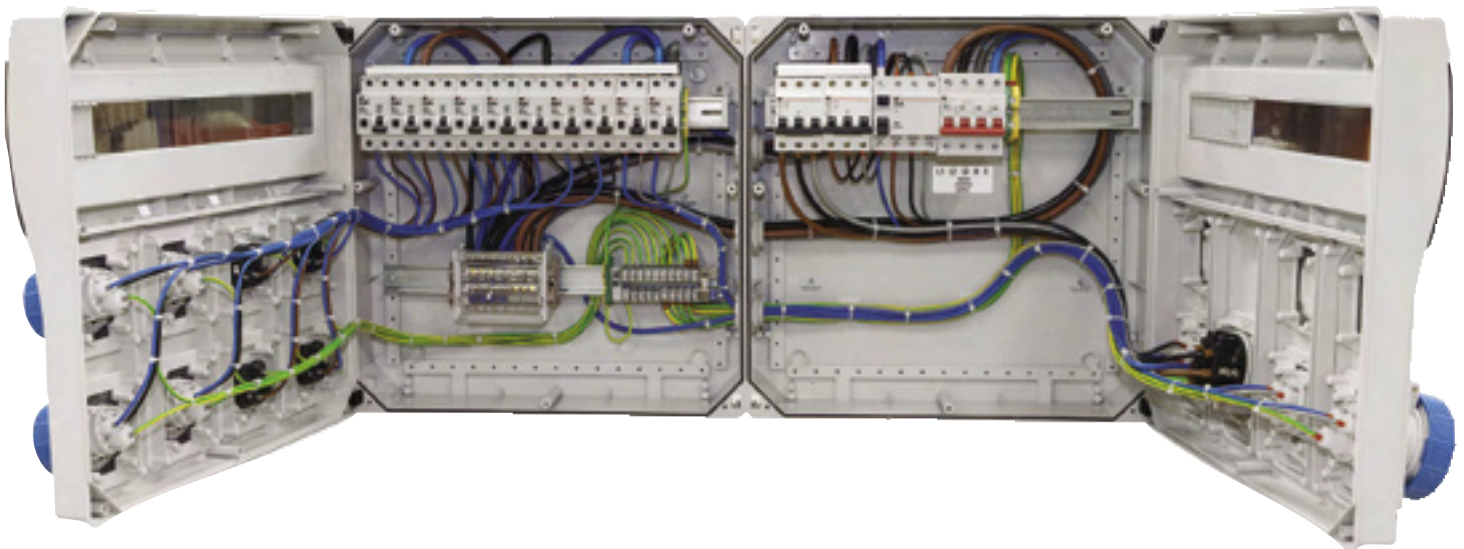
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# PRE-WIRED CUSTOM BUILD UNITS



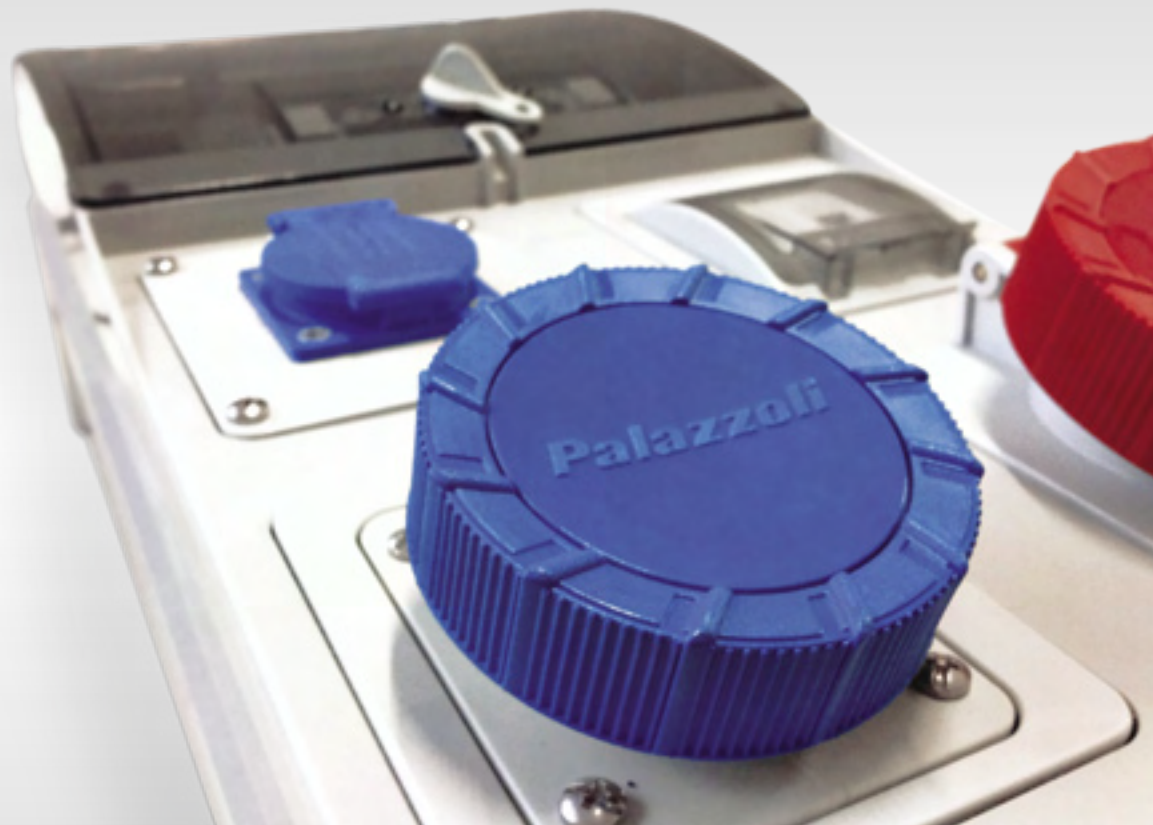
Thanks to its versatile modular designing, Lewden are able to offer topTER distribution units in many varied iterations tailored to suit your individual electrical and mechanical specifications. Simply fill in and return the custom build assembly specification form overleaf advising us of your project requirements and we will be happy to assist.

# PRE-WIRED CUSTOM BUILD UNITS





**Palazzoli**  
GROUP



# topTER PRE-ASSEMBLED

**Ready for use combination and  
Custom made solutions**

More information contact your Lewden Regional Sales Manager  
Tel: 01376 336 200 - Fax: 01376 322 161 - [sales@lewden.co.uk](mailto:sales@lewden.co.uk) - [www.lewden.com](http://www.lewden.com)