



**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.

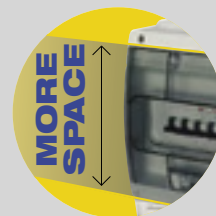
With an impressive double degree of protection to IP66 and IP67, the sockets are guaranteed protection from dust, water jets and temporary immersion.

**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.

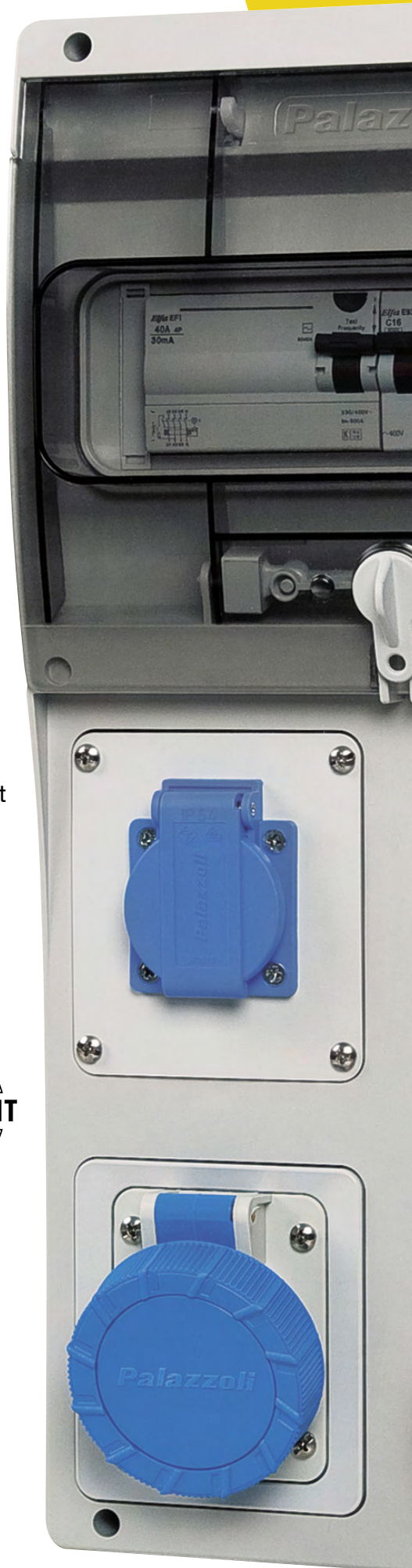
**Safety:** The interlocked sockets are equipped with rear panel isolator switches AC3-AC23A which guarantees:

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



## MULTIPLE OUTLET SOCKETS

\* Not pre-wired

	110V	230V			400V		SUPPLY	IP RATING	ORDERING CODE	
		13A BS Standard	16A	32A	16A	32A				
	16A									
<b>2 Gang Socket Outlets - Vertical</b>  	2						110V	44	PM16/540/2VW	665501
			2				230V		PM16/541/2VW	665502
		1	1				230V		PM1316/541/2VW	665503
					2		400V		PM16/548/2VW	665504
						2	400V		PM32/548/2VW	665505
		1				1	400V		PM1332/548/2VW	665506*
	2						110V	55	PM16/640/2VW	665507
			2				230V		PM16/641/2VW	665508
		1	1				230V		PM1316/641/2VW	665509
					2		400V		PM16/648/2VW	665510
		1				1	400V		PM1332/648/2VW	665511*
<b>2 Gang Socket Outlets - Horizontal</b>  	2						110V	44	PM16/540/2HW	665701
			2				230V		PM16/541/2HW	665702
		1	1				230V		PM1316/541/2HW	665703
		1				1	400V		PM1332/548/2HW	665705*
	2						110V	55	PM16/640/2HW	665706
			2				230V		PM16/641/2HW	665707
		1	1				230V		PM1316/641/2HW	665708
		1				1	400V		PM1332/642/2HW	665710*
<b>3 Gang Socket Outlets - Horizontal</b>  	3						110V	44	PM16/540/3HW	665901
			3				230V		PM16/541/3HW	665902
		1	2				230V		PM131616/541/3HW	665903
	3						110V	55	PM16/640/3HW	665905
			3				230V		PM16/641/3HW	665906
		1	2				230V		PM131616/641/3HW	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						RCD 30mA 2P AC Class	PMRCD16/305TT 663136
						1						PMRCD32/305TT 663236
							1				RCD 30mA 4P AC Class	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				RCD 30mA 4P AC Class	PMRCD16/408TT 664146
								1				PMRCD32/408TT 664246



## 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	PMRCD16/300SITT 660124
		1										PMRCD32/300SITT 660224
			1									PMRCD16/301SITT 660126
				1								PMRCD32/301SITT 660226
					1							PMRCD16/305SITT 660136
						1						PMRCD32/305SITT 660236
							1				RCD 30mA 4P AC Class	PMRCD16/308SITT 660146
								1				PMRCD32/308SITT 660246
	1								66	VIA RCD	RCD 30mA 2P AC Class	PMRCD16/400SITT 661124
		1										PMRCD32/400SITT 661224
			1									PMRCD16/401SITT 661126
				1								PMRCD32/401SITT 661226
					1							PMRCD16/405SITT 661136
						1						PMRCD32/405SITT 661236
							1				RCD 30mA 4P AC Class	PMRCD16/408SITT 661146
								1				PMRCD32/408SITT 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	PM7153TT 665301
	3		110V		RCD	1x 25A 2P 30mA RCD AC Class	PM7154TT 665302
		3	230V			1x 16A 2P 30mA type C RCBO	PM7155TT 665303
		3	230V		30mA 2P RCD AC Class	3x 16A 1P Type C MCB	PM7156TT 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

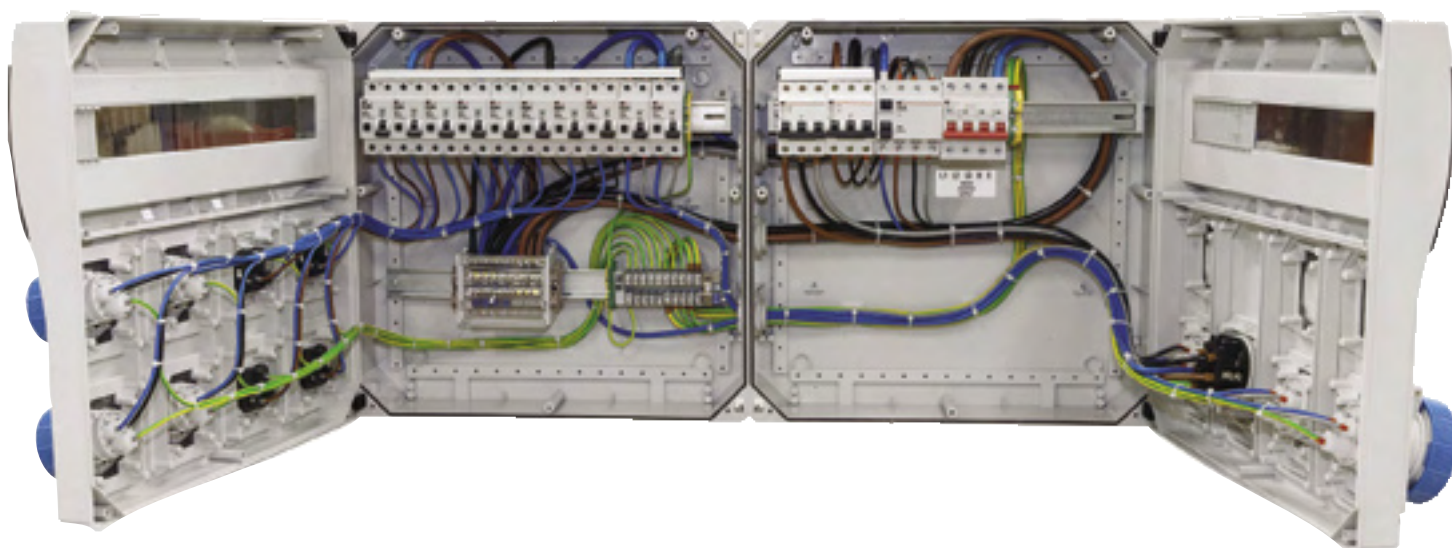
## 8. ANY OTHER RELEVANT DETAILS


## PRE-WIRED CUSTOM BUILD UNITS



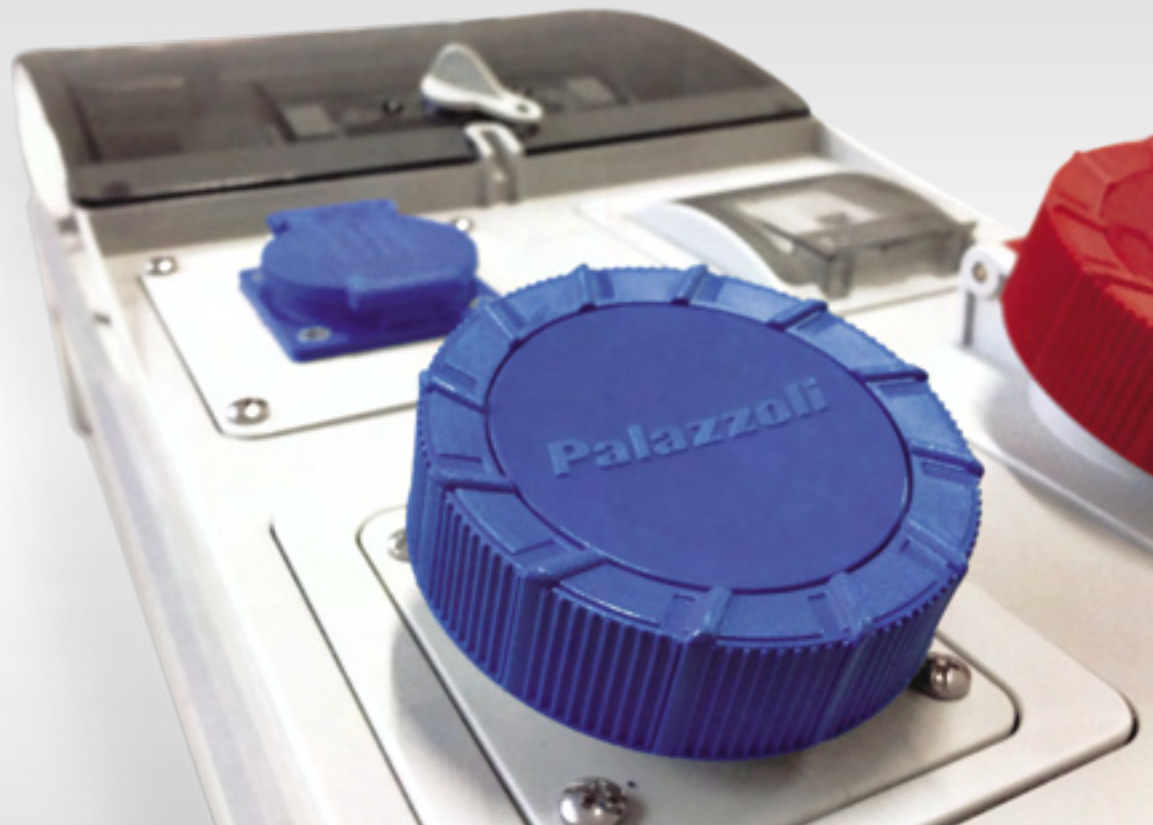
Thanks to its versatile modular designing, Lewden are able to offer topTER distribution units in many varied iterations tailored to suit your individual electrical and mechanical specifications. Simply fill in and return the custom build assembly specification form overleaf advising us of your project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