



Palazzoli
GROUP



ELECTRIC VEHICLE INFRASTRUCTURE SOLUTIONS

Domestic, Commercial & Industrial



Empowering the Future of Electric Vehicle Charging

Leading the Dual Front of EV Infrastructure and Charging Solutions

Lewden, in association with Palazzoli Group (Italy), with over 200 years of industrial excellence and strong core values at the heart of what we do, is recognised as the supplier of Power distribution and LED lighting solutions, consistently delivering excellence from our vast 6000m² facility in Braintree, Essex.

With a legacy in pioneering innovative solutions, we're now steering into the future of electric vehicle (EV) charging. With our dual expertise, we are uniquely positioned at the intersection of EV infrastructure and charging solutions.

The EV Landscape Today

As the world embraces sustainable transportation, the need for comprehensive EV solutions has never been more critical. Unlike most manufacturers who specialize in either infrastructure or charging points, Lewden excels in both.

Our Holistic Approach

Our comprehensive range offers seamless integration of EV infrastructure with charging technology:

- **Customizable Distribution Cabinets for Multiple EV Charging**

Tailor-made to suit your bespoke needs with a choice of construction materials, colour finishes, accessories, etc.

- **Consumer Units for Residential Retrofitting EV applications**

Specially designed for adding EV chargers to existing installations.

- **AC & DC Charging Points**

A range of AC chargers (7 kW/ 22 kW) and DC chargers (120 kW) for commercial and industrial installations.



Scan the QR Code to explore our AC & DC Chargers

Explore the Lewden EV charging points offer, where we bring you a broad spectrum of EV charging solutions, merging cutting-edge technology with unmatched versatility.



Customizable Distribution Cabinets for Multiple EV Charging

Tailor-made to suit your bespoke needs

The Lewden range of EV Feeder Pillars are designed to provide power distribution to multiple EV charging points.

- > The standard range is available in five different current ratings 100A, 125A, 200A, 400A & 630A.
- > Enclosures are manufactured from durable steel finished with textured powder coat, and ingress protection of IP55 (A selection of RAL Colours available) vandal-resistant lockable doors, pre-drilled gland plates for easy termination of armoured cables, a base plinth for stable surface mounting, and an access cover to facilitate cable routing and installation.
- > Internal shielding panels fully shroud electrical connections.
- > Type 2 Surge protection device.



Product Selection table

Incoming Supply	Outgoing Ways and Ratings	Part Number
100A TPN+E	9 x 7.4kW - 1ph	EV10A*#
	3 x 22kW - 3ph	EV10B*#
	1 x 50kW - 3ph	EV10C*#
125A TPN+E	12 x 7.4kW - 1ph	EV12A*#
	4 x 22kW - 3ph	EV12B*#
	2 x 43kW - 3ph	EV12C*#
200A TPN+E	18 x 7.4kW - 1ph	EV20A*#
	3 x 43kW - 3ph	EV20B*#
	12 x 22kW - 3ph	EV40A*#
400A TPN+E	6 x 43kW - 3ph	EV40B*#
	5 x 50kW - 3ph	EV40C*#
	18 x 7.4kW - 3ph	EV63A*#
630A TPN+E	10 x 43kW - 3ph	EV63B*#
	7 x 50kW - 3ph	EV63C*#

* = Construction Material
= Incoming Device

* Option - Zintec Mild Steel = Z or Stainless Steel = S
Option - Switched Disconnector = D or MCCB = M

Ordering Example : EV10AZD

All Pillars are equipped with Type 2 Surge and Anti Condensation Heaters as standard.

CUSTOMIZE AS YOU WISH!

An additional Stainless steel root attachment is available for mounting onto the base of any standard cabinet, allowing for the pillar to be secured to the root which has been embedded into the ground during construction, and providing a large open cable duct beneath the feeder pillar.

Root Attachment

Part.no	Suitable for Feeder Pillar codes
EVFPS1	EV10C
EVFPS2	EV10A EV10B EV12A EV12B EV12C EV20A EV20B
EVFPS3	EV40A EV40B EV40C EV63A EV63B EV63C

Colour finish options - Free of charge



PRO RCBO Based Solution

A comprehensive consumer unit range comprising a 100A DP main switch with overload and residual current protection provided on each individual final circuit by RCBOs. Distributing final circuits across individual RCBOs provides the best approach to fully meeting the requirements of BS7671.

- > Supplied with 100A rated Mains Switch and distribution bus bar.
- > Overcurrent and 30mA earth leakage fault protection combined in one device.
- > Class A residual current protection as standard.
- > 6kA Short circuit breaking capacity. Energy limiting class 3.
- > B or C curve overcurrent trip options.
- > Fully interchangeable switched and un-switched neutral pole RCBO options.
- > Ratings from 6A to 50A.
- > PRO-R12MSBK & PRO-R21MSBK available matte-finished in black.



Scan the QR code to explore our Circuit Protection range.



RCBO Consumer Units with Surge Protection

- Configured with 100A DP Main Switch
- Type 2 Surge Protection Device Pre-installed & wired
- Arranged with 1 x Neutral & 1 x Earth bar
- Also available in matte -finished black colour

Knockout Arrangement	Part Number	Useable Ways	Enclosure Size (Modules)	Dimensions H x W x D (mm)
□	PRO-MX08MS	5 Ways	9	266 x 210 x 106
	PRO-MX10MS	7 Ways	11	266 x 244 x 106
	PRO-MX12MS	9 Ways	13	266 x 281 x 106
	PRO-MX16MS	13 Ways	17	266 x 353 x 106
	PRO-MX21MS	18 Ways	22	266 x 443 x 106
○	PRO-R04M	2 Ways + 1*	5	266 x 136 x 106
	PRO-R08MS	5 Ways	9	266 x 210 x 106
	PRO-R10MS	7 Ways	11	266 x 244 x 106
	PRO-R12MS	9 Ways	13	266 x 281 x 106
	PRO-R16MS	13 Ways	17	266 x 353 x 106
	PRO-R21MS	18 Ways	22	266 x 443 x 106
●	PRO-R12MSBK	9 Ways	13	266 x 281 x 106
	PRO-R21MSBK	18 Ways	22	266 x 443 x 106

Please note models R04M does not feature pre-intergrated Surge Protection.

* +1 extra module included for the installation of a surge protection device.

Discover Our Complete Range of PRO Consumer Units and Circuit Protection Devices!

PRO offers a stylish, ergonomic, and non-obtrusive consumer unit design, paired with a comprehensive range of circuit protection devices and accessories to meet the needs of every installation.



Scan the QR Code to explore our complete range of Consumer Units.

Electric Vehicle Power Distribution Solution

A range of consumer units designed for residential retrofitting applications where EV CHARGERS are to be added to an existing installation. Available with the option of Type A or Type B RCCB's and 40A MCBs making them compatible with 7.4kW EV Chargers.

- > Suitable for use with 7.4kW residential EV chargers.
- > 63A 30mA RCCBs available in Type A and B, providing isolation of both Live conductors.
- > Available pre-fitted with T2 SPD.
- > Meets the requirements of Section 722 of BS7671.



Scan the QR code to explore our range of EV Consumer Units.



40A with Type A RCCB

Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)	Dimensions H x W x D (mm)
○	PRO-REV40A	- 40A 6kA B Curve MCB - 63A 2P 30mA Type A RCCB	5	268 x 136 x 109



40A with Type A RCCB & Surge Protection

Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)	Dimensions H x W x D (mm)
○	PRO-REV40AS	- 40A 6kA B Curve MCB - 63A 2P 30mA Type A RCCB - Type 2 SPD	5	268 x 136 x 109



40A with Type A RCCB & Surge Protection (Polycarbonate - IP65) Available from Q2/2024

Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)	Dimensions H x W x D (mm)
○	IP65-REV40AS	- 40A 6kA B Curve MCB - 63A 2P 30mA Type A RCCB - Type 2 SPD - IP65, weatherproof	6	200 x 164 x 100



40A with Type B RCCB

Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)	Dimensions H x W x D (mm)
○	PRO-REV40B	- 40A 6kA B Curve MCB - 63A 2P 30mA Type B RCCB	5	200 x 164 x 100



40A with Type B RCCB & Surge Protection

Knockout Arrangement	Part Number	Description	Enclosure Size (Modules)	Dimensions H x W x D (mm)
○	PRO-REV40BS	- 40A 6kA B Curve MCB - 63A 2P 30mA Type B RCCB - Type 2 SPD	9	268 x 210 x 109

Sub Distribution



100A DP Metal Fused Switch

- Main switch or RCCB incomer options
- Easily configurable for top or bottom entry of incoming supply cables
- 3 way Earth bar 25mm²

Part Number	Rated Current	Fuses included	Rated Voltage	Incomer	Dimensions H x W x D (mm)
FS100	100A	100A	230VAC	Main Switch 100A DP	250 x 135 x 87
FS6380100	63A, 80A, 100A	100A	230VAC	Main Switch 100A DP	250 x 135 x 87
FR6380100	63A, 80A, 100A	100A	230VAC	RCCB 100mA CLASS A (Time Delayed)	250 x 135 x 87

Replacement fuses available, Part Numbers: F063A, F080A, F100A (Breaking capacity 120kA , 500 VAC).



80A Domestic Service Fused Switch

- Double Pole Switch
- Insulated Thermosetting Polymer Enclosure
- Supplied complete with 80A type ME fuse and cable duct

Part Number	Rated Current	Rated voltage	Utilisation Category	Fuse	Dimensions H x W x D (mm)
MSF	80A	230VAC 50Hz	AC21	IEC60269-3 (BS88-3)	80 x 127 x 54

Part Numbers	Descriptions
MSF-CD	MSF100(CD) cable duct for MSF1

*Replacement fuses available, Part Number: ME080A (Breaking capacity 33kA 415 VAC).

Electricity Isolation



Electricity Isolator Switch & Enclosure

- Available in 2 module enclosure complete with 100A DP Main Switch, or in 4 module enclosure complete with 100A 4P Main Switch.
- Ingress rating IP20 IK07
- Designed for use with 16mm² & 25mm² double insulated meter tails type 6181Y

Part Number	Enclosure modules	Main Switch	Dimensions H x W x D (mm)
SLM2-MS	2	100A DP	156 x 70 x 71
SLM4-MS	4	100A 4P	156 x 106 x 71
SLM2 (Enclosure)	2	-	156 x 70 x 71
SLM4 (Enclosure)	4	-	156 x 106 x 71

Surge Protection



Type 1 Surge Protection Devices

Part Number	Type	VAC	Description
SRG1123	1, 2	230V	Single phase - Type 1, 2
SRG3123	1, 2	400V	Three phase - Type 1, 2

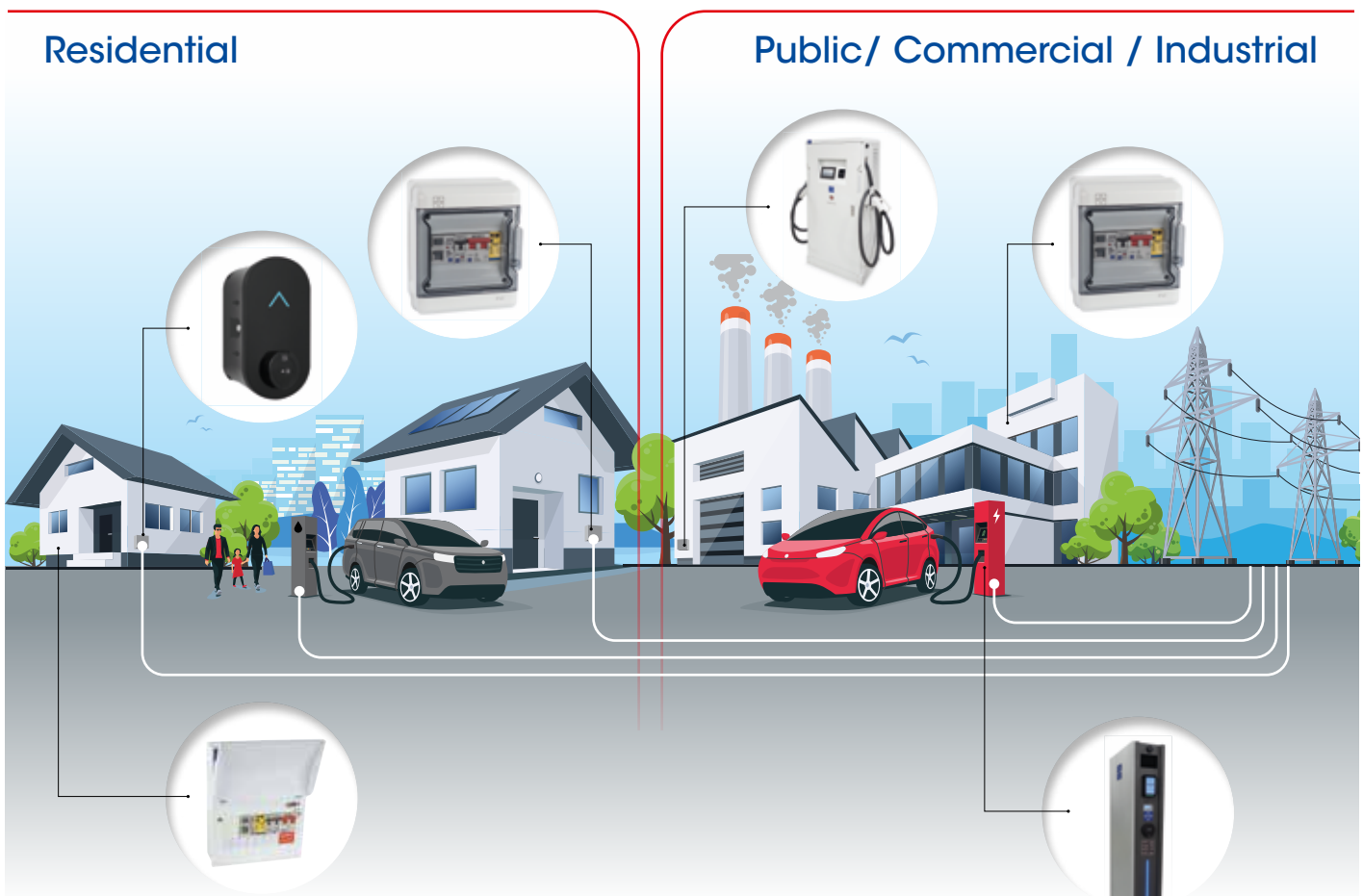
Distribution Terminal Blocks



- > 5 Way Single Pole Distribution Terminal Blocks - 100A 230V AC
- > Can accept up to 5 conductors with a generous cable capacity from 2.5 to 35mm².
- > Dual screw terminations to ensure secure and reliable connections.
- > Ingress Protection IP20; 960°C glow wire tested
- > Secure cover with wire locking capability to aid the installation process.
- > 5 colour-coded terminal for quick identification of phase, neutral and earth connections.

Part number	Colours	Dimensions H x W x D (mm)
DT1005BR	Brown	70 x 49 x 43
DT1005BK	Black	70 x 49 x 43
DT1005GY	Grey	70 x 49 x 43
DT1005BL	Blue	70 x 49 x 43
DT1005GN	Green	70 x 49 x 43

Discover Our Complete Range of EV Charging Solutions!





Palazzoli
GROUP

For more information contact your
local Lewden Regional Sales Managers & agents

Chris Smith
(+44) 7919 922910
Core Electrical N.I.
(+44) 028 9002 0066
David Osbourne
(+44) 7471 657 078
Kate Knox
(+44) 7515 559 552

Iain Taggart
(+44) 7540 100 861
Lee Mallett
(+44) 7736 694876
Richard Cotton
(+44) 7399 521126
Ricky Hull
(+44) 7976 934 326

Tim Ketterer
(+44) 7557 655045
Tony Howard
(+44) 7973 334647



SCAN TO VIEW
THE LIST OF OUR
PLATINUM & GOLD
STOCKISTS FOR
FULL NATIONWIDE
COVERAGE.



SCAN TO ACCESS
CONTACT DETAILS
OF OUR SALES DESK
FOR ALL GENERAL
ENQUIRIES.

Midlands	North	South West & Wales	London South & South East	London North & East Anglia	Scotland
CV	BB	BA	BN	AL	DD
DE	BD	BH	BR	CB	DG
DN	BL	BS	CR	CM	EH
DY	CA	CF	CT	CO	FK
LE	CH	DT	DA	E	G
LN	CW	EX	EC	EN	HAS
NG	DH	GL	GU	HA	IM
NN	DL	GY	KT	HP	IV
ST	FY	HR	ME	IG	KA
SY	HD	JE	PO	IP	KW
TF	HG	NP	PO	LU	KY
WR	HU	OX	RG	MK	ML
WS	HX	PL	RH	N	PA
WV	L	SA	SE	NR	PH
	LA	SN	SL	NW	TD
	LL	SP	SM	RM	ZE
	LS	TA	SO	SG	
	M	TQ	SW	SS	
	NE	TR	TN	WD	
	OL		TW		
	PR		UB		
	S		W		
	SK		WC		
	SR				
	TS				
	WA				
	WF				
	WN				
	YO				

Northern Ireland
Core Electrical BT



LEWDEN LTD
Unit 4, Bradbury Drive,
Springwood Industrial Estate,
Braintree
Essex
CM7 2SD
Tel.: +44 (0) 1376 336 200
sales@lewden.co.uk



For instant access to technical support through our team of expert engineers.
@LewdenHelp on **Twitter & Instagram** for your technical Lewden Questions.

