



An Introduction to Unidrive

**THE
BENCHMARK**

AC and Servo Drive Solutions Platform



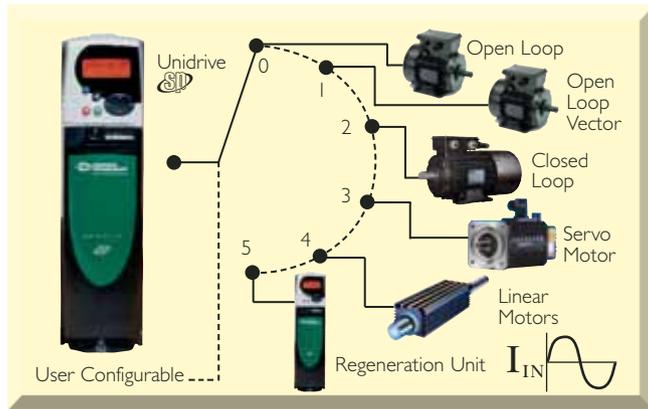
Unidrive

From the simplest to the most complex AC drive application; Unidrive  is a scalable Solutions Platform. Unidrive  is so flexible it can be personalised to your requirements, to lower total costs whilst improving your productivity – Unidrive  rewrites the standard for all drive users. As a Solutions Platform with ultimate flexibility, it is the point from which all drive users should measure themselves – it is

THE BENCHMARK



OVERVIEW OF THE SOLUTIONS PLATFORM



- **Universal Digital AC Drive**
- **0.75 to 30kW, 3 phase, 200-240 VAC**
- **0.75 to 90kW, 3 phase, 380-480 VAC**
- **1.5 to 75kW, 3 phase, 575 VAC**
- **18.5 to 90kW, 3 phase, 690 VAC**
- **Five operating modes with energy-saving Power Factor Control in Regen Mode***
- **Secure Disable for contactor elimination to EN954-1 cat 3**
- **SMARTCARD – Parameter cloning and back up card**
- **Universal feedback interface with 12 selectable modes**
- **High resolution analog input (16 bit plus sign)**
- **RS485 Interface for PC connection**
- **Dual duty ratings: Normal and Heavy**
- **Three zero-space universal option slots**

* Note: Additional components are necessary to produce a regen drive package.

Multiple Fieldbus Capability

The Unidrive  provides unrivaled fieldbus flexibility. In addition to the standard Modbus RTU port, up to three fieldbus option modules can be installed in the Unidrive 's option slots.

PLC/Motion Functionality with Unidrive

In addition to the extensive drive configuration capabilities of the Unidrive , scalable programming is available to solve virtually any application requirements.

48-96V DC Main Power Supply Input

Ideally suited for elevator rescue and machine tool set up.

Comprehensive Autotune

Inertia measurement and static autotune reduce startup time.

Motion Functionality

Using either the SyPTPro and SM-Applications route or Motion Made Easy philosophy, Unidrive  ensures users motion co-ordination requirements are matched perfectly.

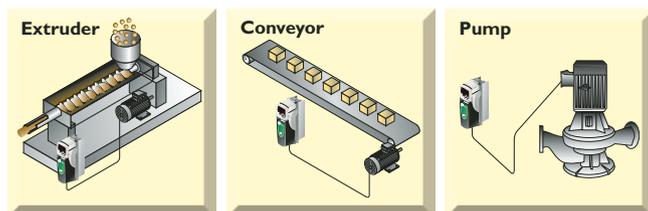
Scalable extra I/O

Users can match their I/O requirements exactly with various I/O extension options, thus minimising system design costs.

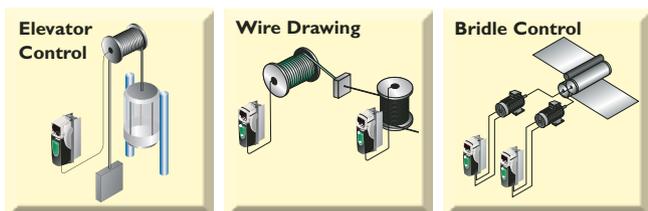
Integrates to any network control hierarchy

Unidrive  lets users choose between centralised PLC control or decentralised on board drive intelligence to control their application.

Typical Applications



Typical Applications



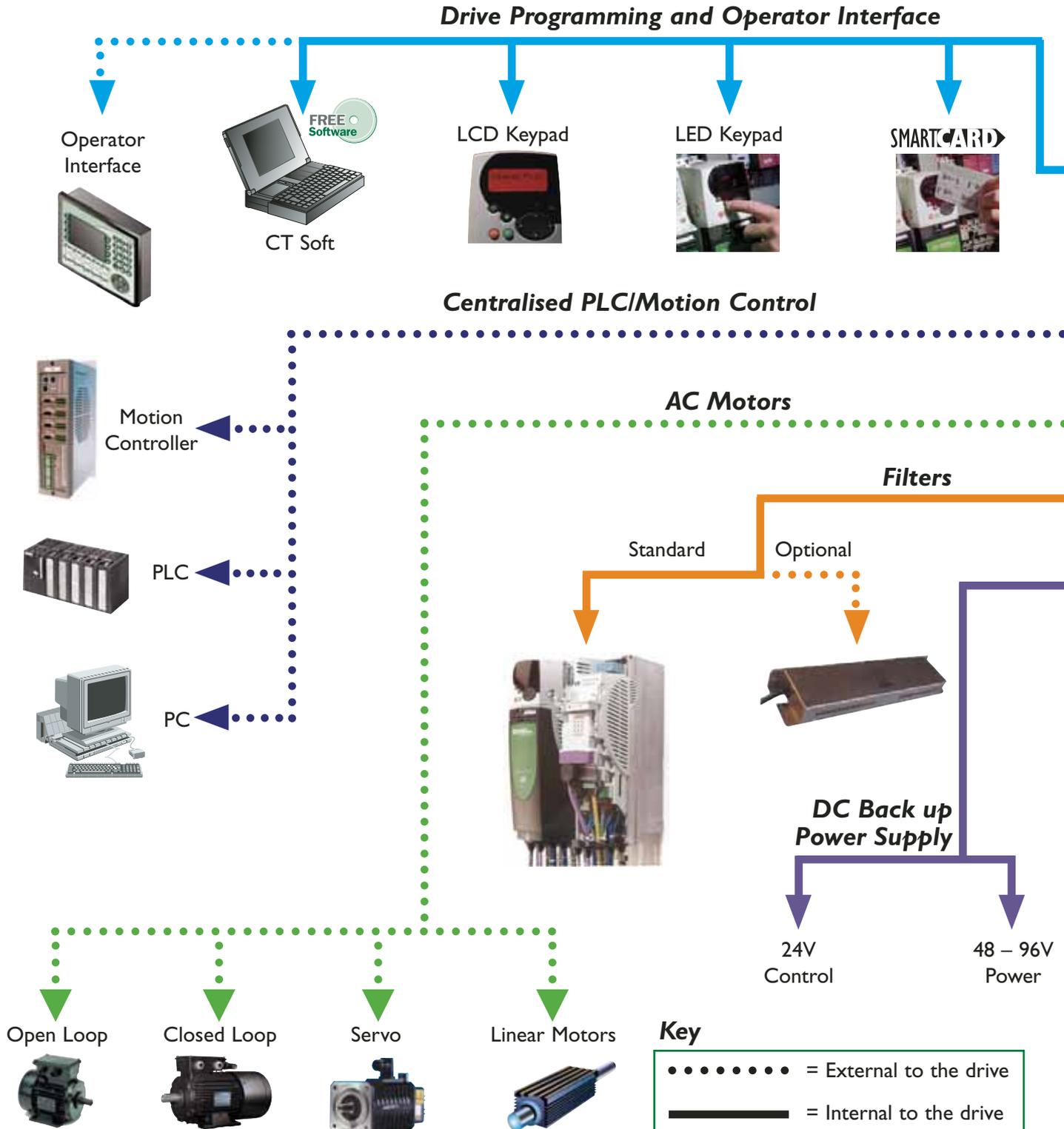
Unique integration

Power Range at a Glance

VOLTS	SIZE 1		SIZE 2		SIZE 3		SIZE 4		SIZE 5		SIZE 6		SIZE 7	
	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp	kW	hp
200 – 240	3	3	7.5	10	15	20	30	40	–	–	–	–	–	–
380 – 480	5.5	7.5	15	20	30	40	55	75	90	125	132	200	200	300
500 – 575	–	–	–	–	18.5	25	45	60	75	100	110	150	150	200
500 – 690	–	–	–	–	–	–	55	75	90	125	132	150	185	250

Highest rating in each size is shown, full table inside back page.

 Available soon.



flexibility with Unidrive - the

5 Analogue I/O SM-I/O Plus SM-I/O Lite SM-I/O Timer SM-I/O 120V SM PELV Remote I/O
 7 Digital I/O
 1 Secure Disable



Input/Output



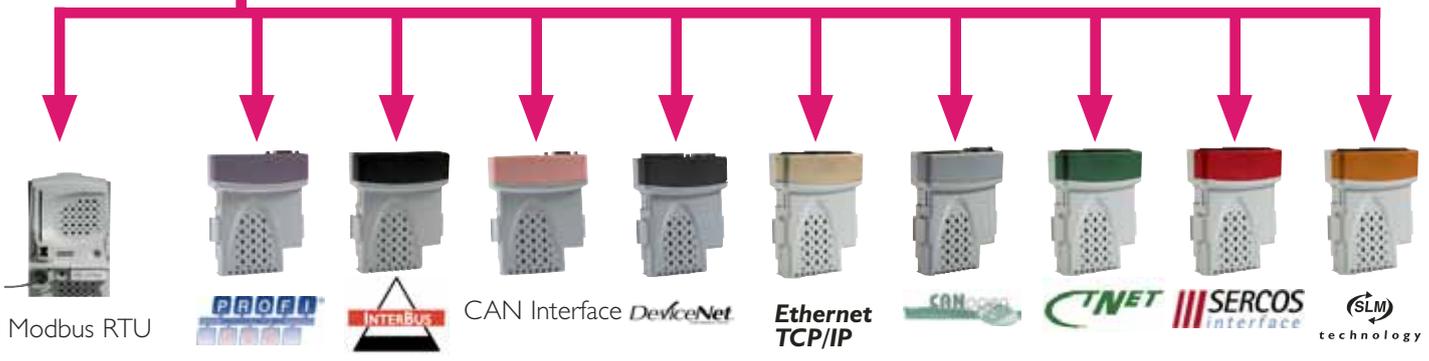
Unidrive  - The Solutions Platform AC drive that delivers more performance and maximum productivity to users through its unique approach to your application.

From stand alone to complex multidrive applications, configure the Unidrive  to the level of integration to match your application.

Unidrive  - The Solutions Platform AC drive that matches your application perfectly.

Communications

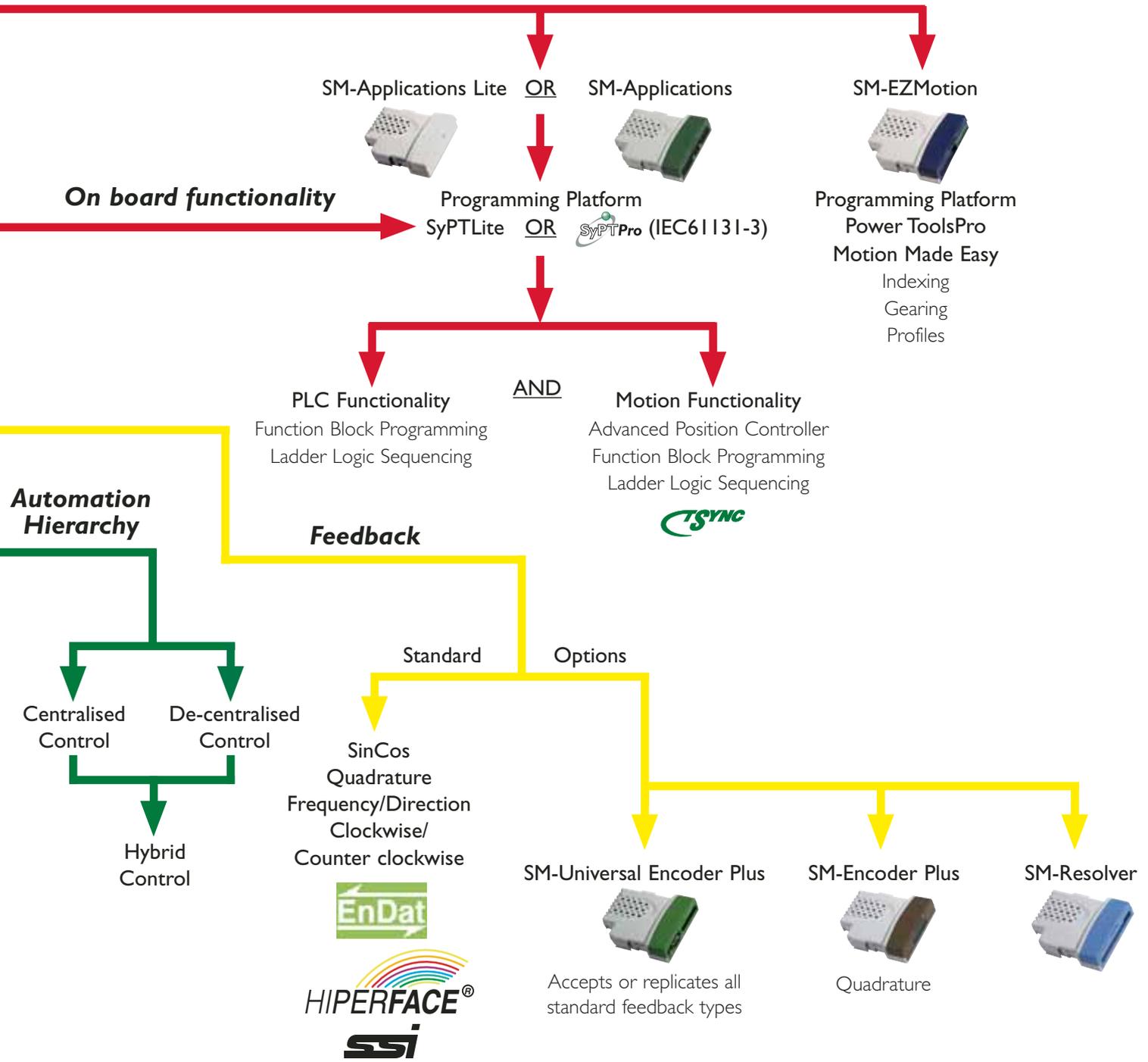
Standard Options



For further information, documentation and local support go to www.controltechniques.com

Solutions Platform

Applications with PLC or Motion functionality



Driving the world...

Drive & Application Centres

AUSTRALIA

Melbourne Application Centre
A.C.N. 003 815 281
Tel: 613 973 81777
Fax: 613 9729 3200
After Hours: 61 2 9963 5271

Sydney Drive Centre
A.C.N. 003 815 281
Tel: 61 2 9838 7222
Fax: 61 2 9838 7764
After Hours: 61 2 9963 5271

AUSTRIA

Linz Drive Centre
Tel: 43 7229 789480
Fax: 43 7229 7894810
After Hours: 43 7215 3502

BELGIUM

Brussels Drive Centre
Tel: 32 1574 0700
Fax: 32 1574 0799

CANADA

Toronto Drive Centre
Tel: 1 905 201 4699
Fax: 1 905 201 4694
After Hours: 1 800 893 2321

CHINA

Shanghai Drive Centre
Tel: 86 21 5426 0668
Fax: 86 21 5426 0669

Beijing Application Centre
Tel: 86 10 856 31122 ext.820
Fax: 86 10 856 35029

CZECH REPUBLIC

Brno Drive Centre
Tel: 420 541 192111
Fax: 420 541 192115
After Hours: 420 541 192 119

DENMARK

Copenhagen Drive Centre
Tel: 45 4369 6100
Fax: 45 4369 6101
After Hours: 45 4369 6100

FINLAND

Helsinki Drive Centre
Tel: 358 985 2661
Fax: 358 985 26823
After Hours: 358 500 423271

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Angouleme Drive Centre
Tel: 33 5 4564 5454
Fax: 33 5 4564 5400

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Bonn Drive Centre
Tel: 49 2242 8770
Fax: 49 2242 877277
After Hours: 49 1714 964777

Chemnitz Drive Centre

Tel: 49 3722 52030
Fax: 49 3722 520330
After Hours: 49 1714 964777

Darmstadt Drive Centre

Tel: 49 6251 17700
Fax: 49 6251 177098
After Hours: 49 1714 964777

GREECE

Athens Application Centre
Tel: 0030 210 57 86086/088
Fax: 0030 210 57 86087

HOLLAND

Rotterdam Drive Centre
Tel: 31 184 420555
Fax: 31 184 420721
After Hours: 31 184 420555

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Hong Kong Application Centre
Tel: 852 2979 5271
Fax: 852 2979 5220
After Hours: 852 2979 5271

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Mumbai Application Centre
Tel: 91 20 612 7956, 612 8415
Fax: 91 20 611 3312

Kolkata Application Centre

Tel: 91 83 2357 5302/2357 5306
Fax: 91 33 2357 3435
After Hours: 91 98 3004 8562

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2496 1130/2496 1083
Fax: 91 44 2496 1602
After Hours: 91 44 2496 1083

New Delhi Application Centre

Tel: 91 11 2 576 4782/
91 11 2 581 3166
Fax: 91 11 51 539216

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Dublin Drive Centre
Tel: 353 45 448200
Fax: 353 45 433622

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Fax: 39 02575 12858
After Hours: 39 02575 751

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Tel: 39 0444 396200
Fax: 39 0444 341317
After Hours: 39 02 575 751

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Seoul Application Centre
Tel: 82 31 703 7169
Fax: 82 31 703 7168
After Hours: 82 31 703 7185

MALAYSIA

Kuala Lumpur Drive Centre
Tel: 603 5634 9776
Fax: 603 5633 9592
After Hours: 60 12 333 8355

REPUBLIC OF SOUTH AFRICA

Johannesburg Drive Centre
Tel: 27 11 462 1740
Fax: 27 11 462 1941
After Hours: 27 11 462 1740

RUSSIA

Moscow Application Centre
Tel: 7 095 232 9472
Fax: 7 095 956 4862

SINGAPORE

Singapore Drive Centre
Tel: 65 6468 8979
Fax: 65 6468 6982
After Hours: 65 9752 5828/
9636 0323

SPAIN

Barcelona Drive Centre
Tel: 34 93 680 1661
Fax: 34 93 680 0903
/34 93 680 2823
After Hours: 34 610 554540

Bilbao Application Centre

Tel: 34 94 620 3646
Fax: 34 94 681 1406
After Hours: 34 61 055 4547

Valencia Drive Centre

Tel: 34 96 154 2900
Fax: 34 96 153 2906
After Hours: 34 66 642 8514

SWEDEN

Stockholm Application Centre
Tel: 468 554 241 00
Fax: 468 554 241 10
After Hours: 467 044 183 29

SWITZERLAND

Lausanne Application Centre
Tel: 41 21 637 7070
Fax: 41 21 637 7071
After Hours: 41 79 357 8683

Zurich Drive Centre

Tel: 41 56 201 4242
Fax: 41 56 201 4243
After Hours: 41 79 357 8683

TAIWAN

Taipei Application Centre
Tel: 886 22325 9555
Fax: 886 22705 9131
After Hours: 886 92186 6502

THAILAND

Bangkok Drive Centre
Tel: 66 2580 7644
Fax: 66 2591 4559
A/Hours Sales: 66 1443 4095
A/Hours Service: 66 1443 4098

TURKEY

Istanbul Drive Centre
Tel: 90 216 4182420
Fax: 90 216 4182423
After Hours: 90 216 418 2420

UAE

Dubai Application Centre
Tel: 971 4 883 8650
Fax: 971 4 883 8651

UNITED KINGDOM

Telford Drive Centre
Tel: 44 1952 213700
Fax: 44 1952 213701
After Hours: 44 1952 213700

USA

Charlotte Application Centre
Tel: 1 704 393 3366
Fax: 1 704 393 0900
After Hours: 1 800 893 2321

Chicago Application Centre

Tel: 1 630 752 9090
Fax: 1 630 752 9555
After Hours: 1 800 893 2321

Cleveland Drive Centre

Tel: 1 440 717 0123
Fax: 1 440 717 0133
After Hours: 1 800 893 2321

Minneapolis US Headquarters

Tel: 1 952 995 8000
Fax: 1 952 995 8020/8099
After Hours: 1 800 893 2321

Providence Drive Centre

Tel: 1 401 541 7277
Fax: 1 401 541 7266
After Hours: 1 800 893 2321

Distributors

ARGENTINA

Euro Techniques SA
Tel: 54 11 4331 7820
Email: eurotech@eurotechsa.com.ar

BAHRAIN

Iftikhar Electrical Est.
Tel: 973 271 116
Email: ieeepower@bataco.com.bh

BRAZIL

ACIEL Comercio e Servicos LTDA
Tel: 55 11 5565 5798
Email: aciel@acielt.com.br

Postronic Sistemas Industriais Ltda.
Tel: 55 11 3832 2738
Email: info@postronic.com.br

CHILE

Ingenieria Y Desarrollo
Tecnologia SA
Tel: 56 2 741 9624
Email: itd@itd.cl

COLOMBIA

Sitronic LTDA
Tel: 57 1 410 04 24
Email: jonesdug@colomsat.net.co

CROATIA

Koncar - MES d.d.
Tel: 385 1 366 7273
Email: nabava@koncar-mes.hr

CYPRUS

Acme Industrial Electronic
Services Ltd
Tel: 3572 5 332181
Email: acme@cytanet.com.cy

EGYPT

Samiram.
Tel: 202 7603877/202 7605950
Email: corporate@samiram.com

HUNGARY

Control-VH Kft
Tel: 361 431 1160
Email: info@controlvh.hu

ICELAND

Samey ehf
Tel: 354 510 5200
Email: samey@samey.is

INDONESIA

Pt Apikon Indonesia
Tel: 65 6468 8979
Email: info@controltechniques.com.my
oowc@controltechniques.com.my

ISRAEL

Dor Drives Systems Ltd
Tel: 972 3900 7595
Email: info@dor1.co.il

KENYA

Kassam & Bros Co. Ltd
Tel: 2540 2 556 418
650268 557136
Email: kasbro@insightkenya.com

KUWAIT

Saleh Jamal & Company WLL
Tel: 965 483 2358
Email: sjceng@almullagroup.com

LEBANON

Black Box Automation & Control
Tel: 961 1 443773
Email: info@blackboxcontrol.com

MALTA

Mekanika Limited
Tel: 35621 442 039
Email: mfrancia@gasan.com

MEXICO

MELCSA
Tel: 52 5 561 1312
Email: melcsam@serve.net.mx
SERWITECK, S.A de C.V.
Tel: 52 5 398 3380
Email: servitek@data.net.mx

MOROCCO

Leroy Somer Maroc
Tel: 212 22 354948
Email: lsmaroc@wanadooop.ma

NEW ZEALAND

Electrade New Zealand
Tel: 64 9525 1793
Email: kevin@electrade.co.nz

PHILIPPINES

Busbarr Corp.
Tel: 632 776 0066
Email: sales@busbarr.com.ph

POLAND

APATOR CONTROL Sp. z o.o
Tel: 48 56 6191 207
Email: drives@apator.torun.pl

PORTUGAL

Harker Sumner SA
Tel: 351 22 947 8090
Email: drives.automation@harker.pt

QATAR

AFI Sitna Technologies
Tel: 974 468 4442
Email: jp33@qatar.net.qa

ROMANIA

Dor Drives International
Tel: 40 21 337 3465
Email: dordrive@zapromobile.ro

SAUDI ARABIA

A. Abunayan Electric Corp.
Tel: (9661) 477 9111
Email: aec-salesmarketing@
abunayanangroup.com

SERBIA & MONTENEGRO

Master Inzerjening d.o.o
Tel: 381 24 551 605
Email: master@eunet.yu

SLOVAKIA

EMERSON A.S
Tel: +421 32 7700 369
Email: petersk@vurja.sk

SLOVENIA

PS Logatec
Tel: 386 1 750 8510
Email: ps-log@ps-log.si

TUNISIA

SIA Ben Djermat & CIE
Tel: 216 1 332 923
Email: benjdjermat@planet.tn

URUGUAY

Secoin SA
Tel: 5982 2093815
Email: secoin@adinet.com.uy

VENEZUELA

Vertix Instrumentos, S.A
Tel: 58 281 267 4115

VIETNAM

N.Duc Thinh
Tel: 84 8 9490633
Email: infotech@nducthinh.com.vn