

IMO

 Established 1972

PRODUCT SUMMARY

www.imoautomation.com

Email: sales-na@imopc.com

 Call: 404 476 8810

 Call: 905 799 9237



The Future In Control

IMO Precision Controls

Often copied, never equalled... since 1972

Founded in 1972, IMO has grown from its UK base to become a global manufacturer and supplier of industrial control and electronic components and systems. Our history is one of innovation. Whether it is the first ever BT Type 47 Approved relay or the first ever compact AC inverter for motor speed control, IMO has always been focused on breaking barriers.

Our quality assured manufacturing sites ensure IMO products continue to be recognized for quality and reliability. Backed by unique warranty periods of up to **Five Years** and in compliance with all relevant international standards and approvals, customers specifying IMO products can do so with the knowledge and security that they are making a no compromise selection.

At IMO, we succeed through the success of our customers. Blue Chip manufacturers the world over rely on IMO to help them achieve higher levels of innovation, competitiveness and reliability. It is a philosophy that continues to deliver results and one which creates close and long lasting relationships with our customers world-wide.

- ★ **Over 15,000 product lines available**
- ★ **Industry leading product warranties**
- ★ **Worldwide technical & application support**
- ★ **Custom solutions**



"The level of support and knowledge provided by IMO was second to none. They were really interested to know what technical issues we had in order to resolve them as quickly as possible."

Specifier, Major US OEM

A Global Network

The IMO brand is increasingly recognised around the world for quality, reliability and cost efficiency. From our traditional UK base, we now derive 60% of our revenue from overseas sales, and we continue to invest in our growth in both home and international markets in order to best meet the expectations of our customers.

With global office locations in the UK, USA, Australia, Canada, France, Italy & South Africa, & with a global distribution network covering Austria, Brazil, Bulgaria, China, Cyprus, Denmark, El Salvador, Finland, Germany, Greece, Hungary, Ireland, Mexico, Netherlands, Pakistan, Portugal, Romania, Spain, Switzerland, Tunisia & Vietnam, when you buy into IMO, you are buying a truly global brand.

National Recognition

IMO products have been specified in OEM products for years, in applications of every size. Here are some of the well-known companies that use IMO products:



World Class Technical Support

When you become an IMO customer, you become part of our extended family, and we care. A lot! We invest heavily in our staff to ensure they provide the best possible service to our customers, with a care and attention that simply isn't available anywhere else.

Unrivalled Warranties

IMO stands for quality and reliability, and as such, we guarantee our quality with unique industry leading warranty periods of up to 3 years on our electronic based control components, and up to 5 years on our Jaguar AC Drives.

Free Software

When you purchase one of our industrial automation products, you gain FREE access to our suite of programming software. All of our software is licensed, and only available from us.

UL Approved MCB's

- UL489 & UL1077 approved models
- Available from 0.5 Amps to 63 Amps
- Thermo-magnetic overcurrent protection
- 10kA short circuit protection
- RoHS compliant
- B, C & D Type tripping curves



Contactors, Starters & Overloads

- Micro, Miniature & Standard size contactors
- 10A up to 1200A 480V AC3
- Rated to 600VAC
- Minimum Size, Maximum Performance
- AC & DC Operated
- Ambient Temperature -40°C to +90°C
- DIN Rail Mounting up to 115A AC3
- Bifurcated Aux. Contacts
- High Contact Reliability
- 4 Pole Full Rated Version Available
- Coil Connection Top & Bottom (MC10N to MC22N)



C4 Motor Protection Circuit Breakers

- Motor protection rating from 0.16Amps up to 100 Amps
- Short circuit breaking capacity up to 100kA
- Phase failure protection & overload functionality
- DIN rail mounting
- Type E / UL508



Control Panel Products

Non-Fusible AC Disconnects

- 3, 4, 6 & 8 Poles
- On Load 20A - 125A
- Red/Yellow or Black Handles
- Up to 3 Padlock Positions
- Enclosed IP66 / NEMA 4X
- Enclosed, DIN Rail, Base or Panel Mount Versions
- Lightweight Extension Shafts 100mm - 400mm
- Side Mounted Auxiliary Contacts
- Motor Rated to Start and Stop Motors
- Range of CO69 Changeover Switches Also Available



Panel Mounting



Base Mounting



Enclosed



DIN Rail Mounting

Industrial Power Supplies

- UL Approval across ALL Power Supplies
- SPS Series - Single Phase - 12W to 150W - Class II Isolation
- BPS Series - Single Phase - 15W to 180W - Slimline PSUs
- LPS Series - Single & Three Phase - 10W to 480W - DC OK Relay & Power Factor Correction*
- HPS Series - Single Phase - 120W to 480W - 150% Peak Power & DC OK Relay



* DC OK Relay & Power Factor Correction on selected models only

**THREE
NEW
PSU SERIES**



Variable Speed Inverter Drives

IMO

SD1 General Purpose AC Inverter Drives 0.5HP - 15HP

- IP20 Protection Rating
- Torque Vector Control
- Supports PM DC Motor Operation
- Up to 150% Starting Torque
- Front Mounted RJ45 Socket (≤ 3 HP)
- DIN Rail Mountable (≤ 3 HP)
- Fixed Keypad with Potentiometer (≤ 3 HP)
- Detachable Keypad (≥ 5.5 HP)
- HDI Input (Pulse)
- 1/2 Analog Inputs
- 1/2 Analog Outputs
- 2 C/O Output Relays
- Transistor Output
- 4/5 Digital Inputs
- Selectable PNP/NPN I/O
- Integral Modbus-RTU / RS485
- PID Control as Standard
- DC Injection Braking
- Motor Auto-Tune (Static & Dynamic)
- Internal C3 Filter (≥ 5.5 HP)
- Optional C3 Filter (≤ 3 HP)
- Optional C1 & C2 Filter
- RoHS & Reach Compliant



HD2 High Performance AC Inverter Drives 2HP - 670HP

- Advanced Torque Vector Control Technology
- Up to 150% Starting Torque
- Permanent Magnet Motor AC (PMAC)
- Detachable Keypad with Copy Function
- Advanced LCD Keypad
- IP20 / NEMA1 (Full Range)
- High Speed Processor
- Motor Auto-Tune (Static & Dynamic)
- 2 Motor Parameter Sets
- DC Injection Braking
- Flux Braking
- Integral Brake Chopper (< 37 kW)
- PID Control as Standard
- PLC Option Cards
- DCR (18.5kW-110kW)
- Modbus RTU / RS485 Built In
- 6 Digital Inputs & 2 Analog Inputs
- 1 Analog Output & 2 Relay Outputs

EtherNet/IP™



EtherCAT™



CANopen



Industrial Automation Products

iView 2nd Generation HMIs with IoT Features

Our new HMI's have high resolution 65K colour resistive touch LCD TFT screens operating on an ARM based Processor. Communication and data logging is made easy with two USB, one Ethernet, up to five Serial ports and removable media ports. These features make it possible to connect to printers, keyboards or a mouse, and data storage on a microSD™ card or USB Flash Drive.

Now featuring IoT functionality, the 2nd generation iView is rich in communication features, and allows for remote connectivity via VNC server or Android App "HMI In Hand", IDCS remote functions and Message Queuing Telemetry Transport (MQTT). The iView has integrated Ethernet protocols (Modbus TCP/IP, BACnet/IP, Profinet/IP), and Serial protocols (including Modbus RTU, BACnet, Siemens MPI).

- Contains Over 480 Industry Protocols for Easy Integration
- Five Touch Screen Sizes - 4.3", 7.0", 10.4", 12.1" & 15.0"
- Removeable Media for Data Logging
- Remote Capability
- Advanced Functions Including: Trending, XY Graph, Alarm & Scheduling
- FREE Licensed Programming Software



The Inter-Device Connection Service (IDCS) is included with the new generation of iView Advanced HMIs, and accomplishes non-VPN remote monitoring, updating and controlling functions, with the following benefits:

- Accomplishes most tasks remotely including remote download / upload of HMI and PLC applications, making daily maintenance easier, thus reducing costs
- Saves and retrieves data remotely to non-static IP, public IP and VPN supported devices
- VNC built-in, HMI-in-Hand Android Application, supports monitor / control multiple HMIs by mobile devices



iSmart V3 Intelligent Relays

- Digital, Analogue & Temperature Inputs
- Relay, Transistor & Analogue Outputs
- Powerful Control Logic in Ladder or Functional Block Diagram
- Available with or without Text HMI Screen including Programmable Function Keys
- PID Control (up to 30 Loops)
- Maths Functions
- Retentive Data Registers
- High Speed Inputs & PWM Outputs
- Link Function
- Multi-Language Selectable
- Expansion Modules for more I/O & Communication



FREE
PROGRAMMING
SOFTWARE

**NEW
V4**
MODELS NOW
AVAILABLE

Next Generation iSmart V4

Now available, the NEW iSmart V4 with added features and functionality including:

- Modbus TCP
- Web Server
- Data Logging via MicroSD
- Ethernet Port
- Email
- Astronomical Clock

SI Series TRUE DC Solar Disconnects

IMO Precision Controls offers a complete range of TRUE DC switch disconnects specifically designed for use in solar PV installations in accordance with EN 60364-7-712.

- Market-Leading Design
- 2, 4, 6 & 8 Pole Versions Available
- Max. Rated Current 85A@1000VDC
- Range of Mounting Options
- Guaranteed Arc Supression (3ms typical)
- Operator Independent Switching Mechanism
- Knife-Edge Contacts
- Patented Safe-Lock Handle Position



#KeepingSolarSafe



Panel Mounting



Base Mounting



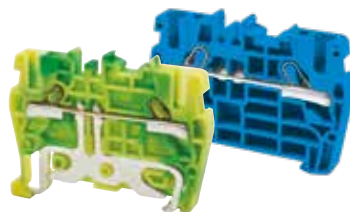
DIN Rail Mounting



Enclosed

DIN Terminal Blocks

- High Quality Terminals
- Screw Clamp, Push-Fit & Spring Connection Pluggable Types
- Clamp-Up Design on Screw Type for Stronger Hold
- Push-Fit - One-Step Wire Install
- Plug-In Terminals for Serviceable Connections
- Variety of Colors
- Accessories Available



**Heritage Relay Manufacturer
since 1970**

**Extensive Relay
Options Available**

Pushbuttons & Pilot Lights

- Range of 22.5mm & 30.0mm Pushbuttons & Pilot Lights
- Totally Flexible & Customizable Solution
- IP67 Emergency Stop Pushbuttons & Stop Stations
- IP65 / IP67 Illuminated Pushbuttons
- IP65 Rotary Knobs
- IP65 LED Monoblock Pilot Lights
- Lens Caps, Enclosures, Bulbs & Accessories Available



IMO Worldwide Offices

IMO Precision Controls Limited

The Interchange
Frobisher Way
Hatfield, Herts AL10 9TG
United Kingdom

Tel: 01707 414 444
Fax: 01707 414 445
Email: imo@imopc.com
Web: www.imopc.com

IMO Jeambrun Automation SAS

Parc de la Broye
14 Rue du Chafour
France
59710 ENNEVELIN

Tel: 0800 912 712 (n° gratuit)
Email: imo-fr@imopc.com
Web: www.imojeambrun.fr

IMO Automazione

Via Belfiore 10
50144 Firenze (FI)
Italia

Tel: 800 930 872 (toll free)
Email: imo-it@imopc.com
Web: www.imopc.it

IMO Automation LLC

Suite 112
5910 Shiloh Road East
Alpharetta, GA 30040
USA

Tel: 404 476 8810

Email: sales-na@imopc.com
Web: www.imoautomation.com

IMO Canada

1B-701 Rossland Road East
Suite #608
Whitby, Ontario L1N 9K3
Canada

Tel: 416 639 0709

Email: sales-ca@imopc.com
Web: www.imopc.com

IMO South Africa (Pty) Ltd

5 Osdam Business Park
Columbus Cres. Parklands
Cape Town 7441
South Africa

Tel: 021 551 1787

Email: info@imopc.co.za
Web: www.imopc.co.za

IMO Pacific Pty Ltd

Unit 9, Dillington Pass
Landsdale
Perth WA 6065
Australia

Tel: 1300 34 21 31

Email: sales@imopacific.com.au
Web: www.imopacific.com.au

IMO Pacific Pty Ltd

12/84 Old Pittwater Road
Brookvale
Sydney NSW 2100
Australia

Tel: 02 8021 5115

Email: sales@imopacific.com.au
Web: www.imopacific.com.au



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