

# iSmart: the intelligent choice for precise control...

## two sizes, three types: ac or dc power

# FREE software

# IMO

Providing the capability of a small plc, iSmart is a flexible, easy to use range of 'intelligent relays'.

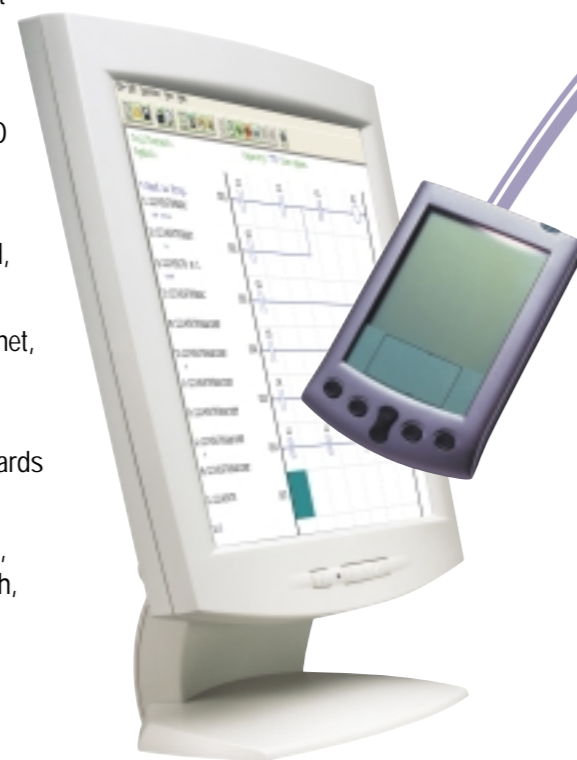
Base modules come with either 10 or 20 I/O points expandable up to 44 (including four analogue) by adding a maximum of three 4-input, 4-output plug-in expansion modules. A high speed comms option is also available for even greater expandability. Comms module options include Modbus, DeviceNet, Profibus or Ethernet.

With the free software provided, iSmart 'intelligent' relays can be programmed via a PC, PDA (pocket PC) or the integral keypad, using Relay Ladder (LD) or Function Block Diagram (FBD).

Flexible, easy to use and highly cost-effective, iSmart is ideal for small machine applications including automatic doors, packaging machines, vending machines....

- From 10 to 44 I/O
- Custom high speed processor
- Two options blind or with integral back light display and programmer
- 15 4 line by 12 character messages can be displayed
- 8 Amp output switching capability
- Up to 4 Analogue inputs
- 2 1KHz High speed inputs
- Programmable in either relay ladder or Function Block Diagram (FBD)
- 200 lines relay ladder or 99 Function Blocks
- Easy to use free of Charge programming software offering program simulation for Windows 98, 2000, XP, and Pocket PC
- Real Time Clock (RTC)
- 1 Pulse width modulation output (PWM) for position control
- Memory module option
- Communication interface to IMO HMI's or Computer
- High Speed Data Link Modbus enabling remote I/O to be linked, and PC
- Fieldbus communications Ethernet, Profibus DP Slave, DeviceNet, Modbus
- Conforms to international standards CE, UL, and c-UL
- Multilanguage capability English, German, French, Italian, Spanish, Portuguese, and Chinese
- DIN rail mountable

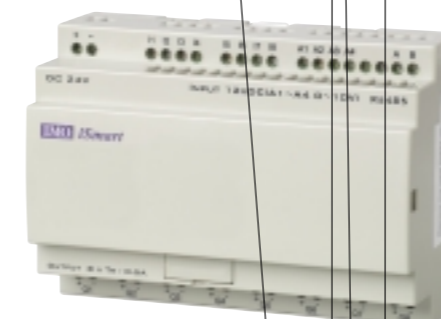
3 YEAR GUARANTEE



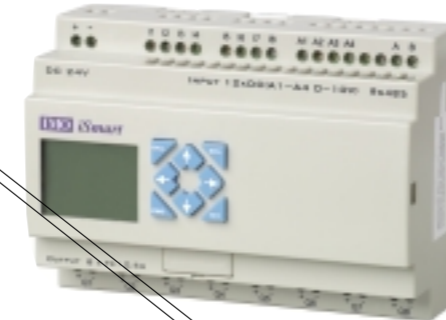
Free programming software for PC or PDA (pocket PC)



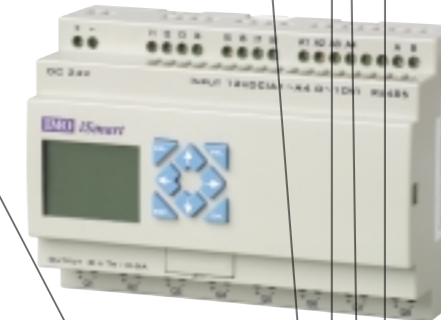
10 I/O (AC models), 12 I/O (DC models)



Blind type



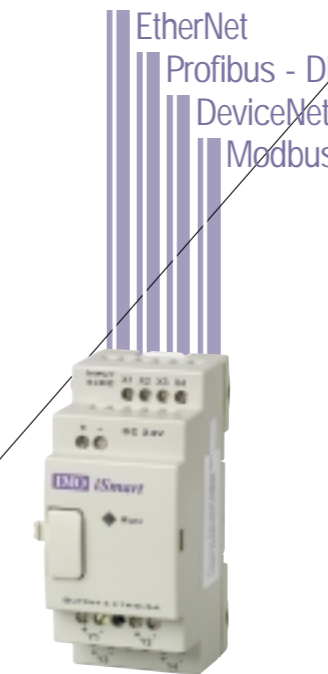
20 I/O



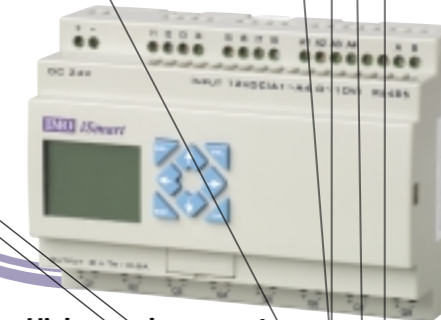
Expandable type



Expansion modules  
8 digital I/O (up to 3 per unit)

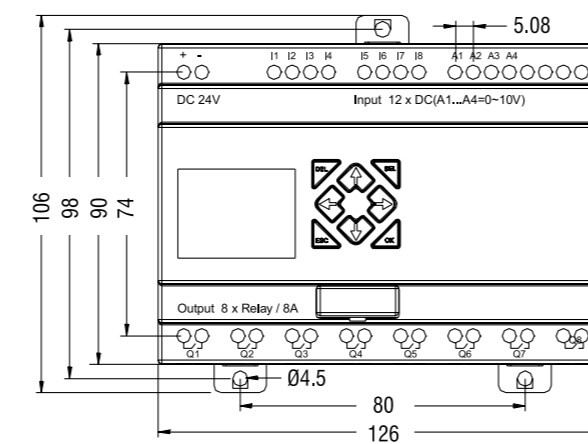


Network comms modules  
(1 per unit)

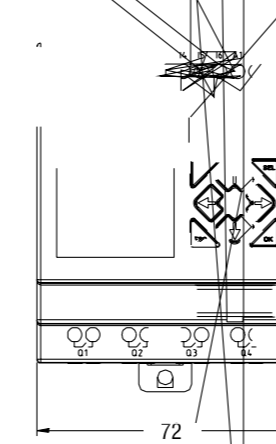


High speed comms. type

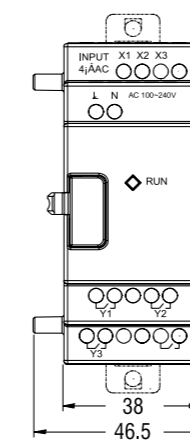
### dimensions



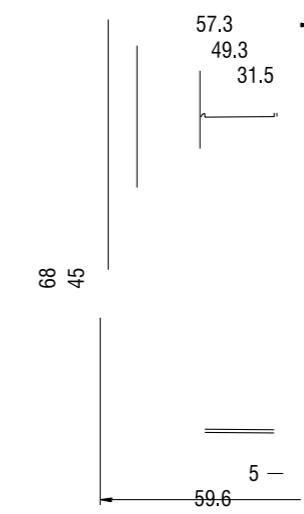
20 I/O



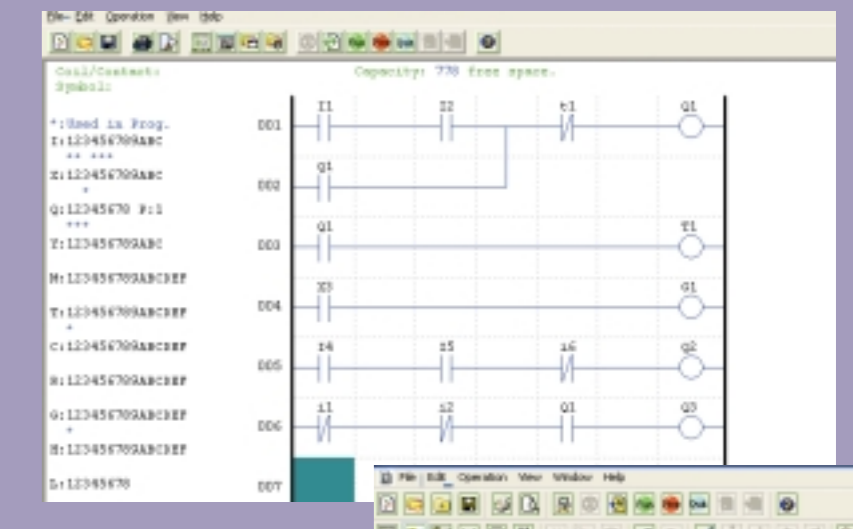
10 and 12 I/O



Expansion module



Configurator, iSmart's free powerful programming software is available for both PC and PDA (pocket PC) and offers two methods of programming...

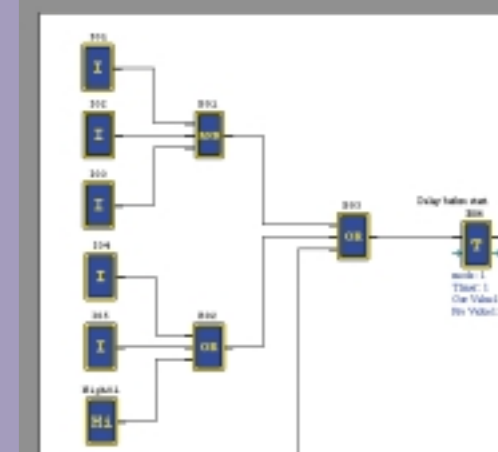


#### Relay Ladder (LD)

Up to 200 lines of instructions with 4 instructions per line, giving a total of 800.

#### Function Block Diagram (FBD)

Up to a total of 99 blocks can be programmed.

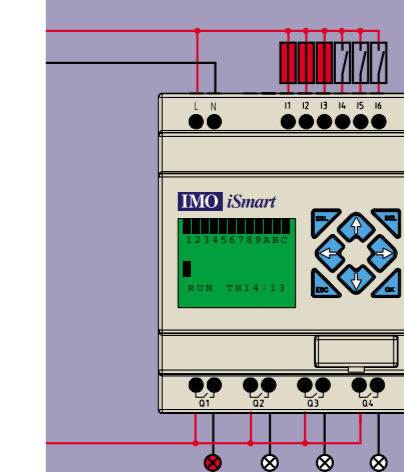


#### Powerful diagnostics

Using iSmart Configurator, programmes can be simulated in either LD or FBD modes. Even the keypad and display can be simulated - ideal for proving designs at your desk.

#### On line monitoring

iSmart Configurator also provides on line monitoring in both LD or FBD modes for rapid fault recognition and diagnosis.



# iSmart8

Intelligent relays

actual size



Bright backlit 4 line x 16 character LCD display

Integral programming and monitoring keypad

Optional programming cable



Flash memory option

8 Amp relay outputs

ordering codes

DC iSmart models

DC expansion modules

AC iSmart models

Model No.	Digital	Outputs
SMT-	AC	
EA-R10	6	4xRelays
BA-R10	6	4xRelays
EA-R20	12	8xRelays
BA-R20	12	8xRelays
CA-R20	12	8xRelays

AC expansion module

MA-R8	4	4xRelays
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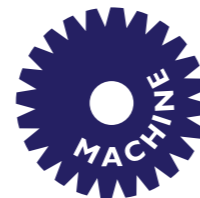
Accessories

SMT-PC03	Programming cable
SMT-PDACAble	PDA Programming cable
SMT-PM04	Memory module
SMT-Configurator	PC programming software
SMT-PDA Configurator	Pocket PC programming software

specification



Cam Switches  
Din Terminals  
Enclosures  
Fieldbus remote I/O  
Isolators & Switch Fuses  
MCB & RCD  
Motor Circuit Breakers  
Motor Control Gear  
Panel Meters  
Relays  
Signal Conditioning  
Sockets  
Timers  
Transformers & Power Supplies



Drives  
Intelligent Terminals/HMI  
Limit Switches  
Photoelectric Switches  
PLCs  
Proximity Switches  
Temperature Controls



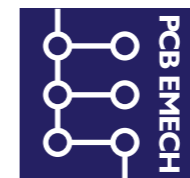
Data Acquisition & Control  
Drives  
Intelligent Terminals/HMI  
Limit Switches  
Photoelectric Switches  
Proximity Switches  
PLCs  
Signal Conditioning  
Temperature Controls



Lightguards  
Safety Limit Switches  
Safety Relays



Jaguar VXM 0.37-500KW  
Jaguar VXSM 0.37-7.5KW  
Jaguar CUB 0.37-4kW



Audible devices  
Chip-on-Board  
Device programmers  
LEDs & 7 seg. displays  
PCB Terminal blocks  
Relays - automotive  
Relays - power  
Relays - signal  
Switches

All IMO products are tried, tested and approved to relevant international quality standards

