Single Channel I/O Modules — continued

Buffered Output Modules
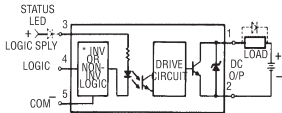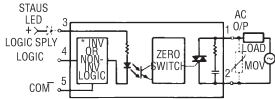
CRYDOM

- MOS logic/microprocessor compatible
- Inverting/Non inverting options
- Output for photocoupler/LED status display

Type	Voltage Range	Input Current vs Voltage	Maximum Load Voltage	Maximum Load Current	Order Code
Non-inverting	3–60V dc OUT	75µA @ 0.8V dc	60V dc	3.5A dc @ 45°C	308-638
Non-inverting	12–140V ac OUT	75µA @ 0.8V dc	140V ac	3.5A RMS @ 45°C	308-640
Non-inverting	24–280V ac OUT	75µA @ 0.8V dc	280V ac	3.5A RMS @ 45°C	308-651
Inverting	3–60V dc OUT	75µA @ 2.4V dc	60V dc	3.5A dc @ 45°C	308-663
Inverting	24–280V ac OUT	75µA @ 2.4V dc	280V ac	3.5A RMS @ 45°C	308-687

AC Buffered Output Modules 6411, 6412
(non-inverting), 6421, 6422 (inverting)
(Black Case)

DC Buffered Output Modules 6311
(non-inverting), 6321 (inverting)
(Red Case)

*A non-inverting buffered output module turns on when pin 4 is held in the low state (logic 0), the same as standard modules. An inverting module conversely turns on when pin 4 is held high, (logic 1).

PLC134

	Mftrs. List No.	Order Code	Price Each		
			1+	10+	100+
dc module	6311	**308-638**			
ac module	6411	**308-640**			
ac module	6412	**308-651**			
dc module	6321	**308-663**			
ac module	6422	**308-687**			

Mounting Boards

	Mftrs. List No.	Order Code	Price Each		
			1+	10+	50+
8 way	MS-8H	.**308-699**			
16 way	MS-16H	**308-705**			

DMP Series Standard
Input/Output Modules

CRYDOM

- Epoxy coating provides environmental protection
- Identical pinout to series 6 types (interchangeable)

H = 38, W = 48, D = 12

Voltage Range	Input Current vs Voltage	Max. Load Voltage	Max. Load Current	Order Code
10 – 32V dc IN	32mA @ 32V dc	30V dc	25mA @ 80°C	308-729
90 – 140V ac IN	6mA @ 120V ac	30V dc	25mA @ 80°C	308-730
3 – 60V dc OUT	15mA @ 5V dc	60V dc	3.0A dc @ 45°C	308-742
24 – 280V ac OUT	15mA @ 5V dc	280V ac	3.0A rms @ 45°C	308-754

PLC135

	Mftrs. List No.	Order Code	Price Each		
			1+	10+	100+
dc input module	DMP6101A	**308-729**			
ac input module	DMP6201A	**308-730**			
dc output modue	DMP6301A	**308-742**			
ac output module	DMP6402A	**308-754**			

Tachometer/Trip Boards

Frequency to Voltage (Tachometer) Board

- Linear frequency to voltage converter
- Accepts NPN, PNP, TTL & VR sensors
- Scaleable output voltage & LED status
- Butterworth filter for low ripple output
- 100% tested, PLC compatible & wide supply range

H = 18, W = 64, L = 100
Mounting 4 holes 3 dia. Fixing centres=84 49

Applications include tachometers, flow transducers, speed governors, analogue interfacing to PLCs etc.
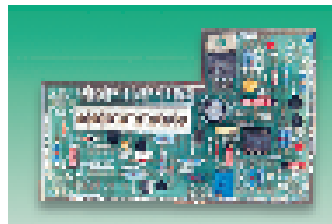
Supplied with instruction leaflet and range selection devices.

Supply	+9 to +30Vdc (<10mA excluding sensor)
Field connections	Via 8 way screw terminal block
Indicators	Power LED, NPN and PNP device indication LEDs
Mftrs. List No.	MST2/1

PLC17

Order Code	Price Each		
	1+	5+	10+
179-932			

Voltage Trip Board

H = 18, W = 64, L = 100
Mounting 4 holes 3 dia, Fixing centres=84 49
(can be mounted on pillars above tachometer board 179-932)

- Voltage level detector with variable input & hysteresis
- Active O/C PNP & NPN outputs (SIL relay & opto options)
- Inverting or non-inverting "Input-to-Output" logic
- Uses MAX8211-NO output jitter or oscillation
- 100% tested, PLC compatible, wide supply range

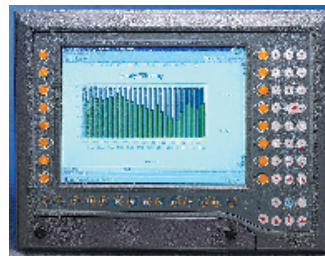|	
Supply	+9 to +30Vdc (<6mA)
Trigger voltage	+2.3 to +7.5V, Pot. adjustable (range can be modified by resistor addition)
Field connections	Via 8 way screw terminal block
Indicators	Red power and output LEDs
Mftrs. List No.	MSLD3/1

FOR SIL RELAYS, SEE 176-577 TO 176-579, SECTION 4.18

PLC18

Order Code	Price Each			
	1+	5+	10+	25+
179-933				

Industrial Computers

Industrial PC – 12.5 Inch

IMO

New

- 1024 768 12.5" colour LCD display with CCFL backlight
- Industrial PC
- 6.5G hard disk, 64M RAM
- 4 serial ports RS232 and RS485
- Parallel port
- CD and floppy front accessible
- 24 function keys and alpha numeric keys
- USB port
- Ethernet port
- Resisitive touch
- 400M Pentium Class processor
- Win NT/98 operating system
- **IP65** NEMA4
- Expansion capabilities
- **CE** marked

Supply voltage: 110/240 AC   Operating temperature: 0-50°C

PLC232

Description		Order Code	Price Each		
			1+	2+	5+
MI12.5COLOURT	Steel	**353-2823**			
MI12.5COLOURTS	Stainless Steel	**353-2811**			

Soft PLC

IMO

New

IMO SoftPLC is a software solution which transforms the processing power of an Intel based industrial PC into a fully functional PLC. IMO Soft PLC combines PID, discrete and analogue I/O with the data handling, computational and networking capabilities of a computer. The software runs its own real-time Kernel and takes over from the operating system of the PC in a deterministic manner. With IMO SoftPLC's optional webserver and Java virtual machine, a large proportion of the functionality of HMI's and SCADA can be replaced

- Up to 8192 I/O
- Drivers for Profibus, DeviceNet and Interbus
- Drivers for IMO range of Industrial PCs
- SoftPLC is programmed with TOPDOC
- TOPDOC is a feature rich program development, monitoring and documentation package
- TOPDOC provides powerful on-line features, ladder monitoring, I/O forcing, contact histogram, SoftWIRES program emulation and real on-line program change
- Programming toolkit includes programmers guide and allows the user to define C, C++ and Java functions to use with SoftPLC to create custom ladder instructions I/O drivers and more