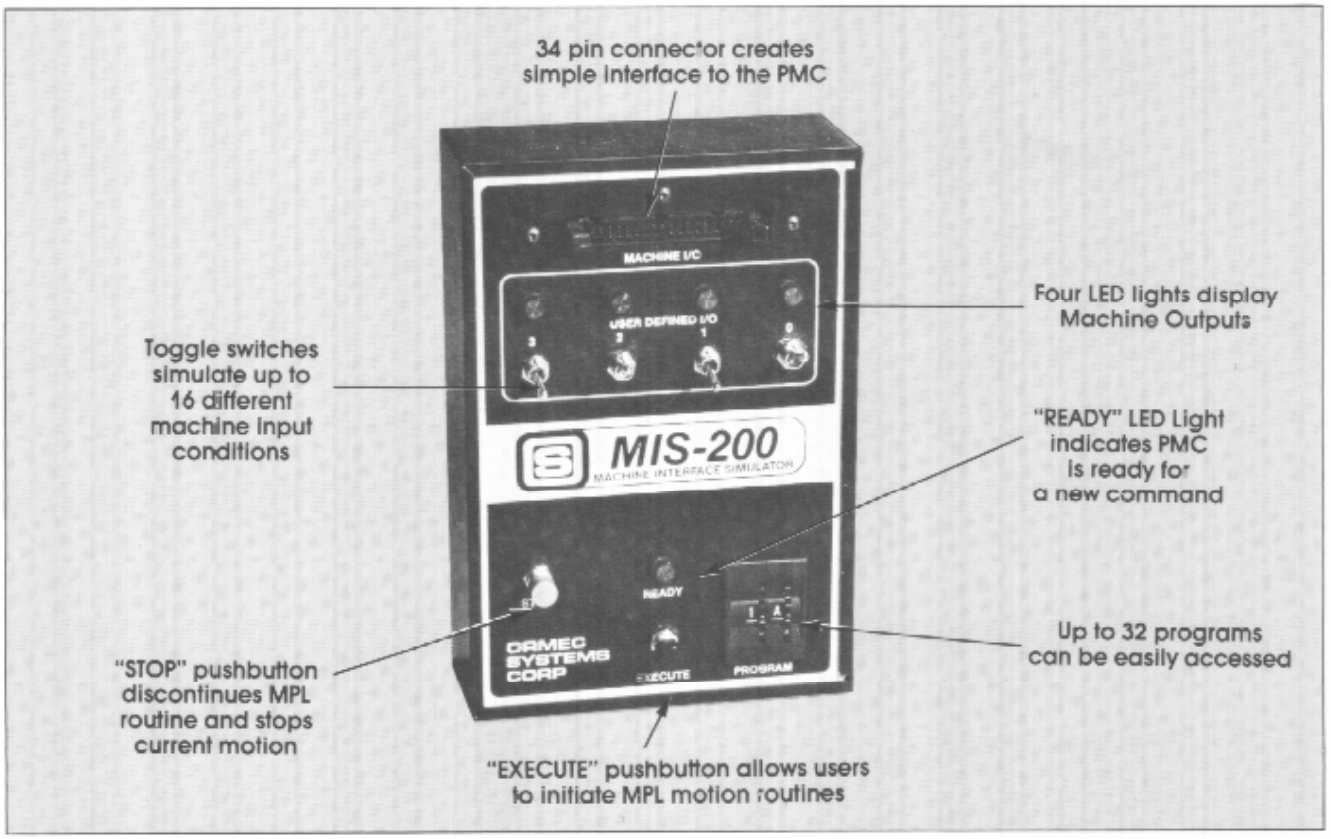
ORMEC SYSTEMS CORP

PMC ACCESSORIES

(MIS-200, POWER SUPPLIES, CHASSIS)



MACHINE INTERFACE SIMULATOR (MIS)

The Machine Interface Simulator (MIS-200) aids development of Motion Programming Language (MPL) routines for a specific application by providing an effective method for simulating machine inputs and outputs.

Four LED, indicator lights let users verify operation of the Motion Programming Language's Output command.

Four toggle switches allow users to simulate up to 16 machine input conditions. This allows the user to verify operation of their MPL routines prior to actual connection of the PMC system to the machine switches and sensors.

A STOP switch halts system motion and discontinues MPL program operation at any time. A READY light verifies that the PMC is ready to accept another command. The EXECUTE pushbutton initiates the pre-programmed MPL routine addressed by the PROGRAM selector switch.

This ability to simulate inputs and outputs makes the MIS-200 ideal for verifying operation of MPL routines in a lab or office environment and simplifies on-site troubleshooting. Since the MIS can access MPL routines, along with starting and stopping the system, it can also be used as a temporary remote control panel.

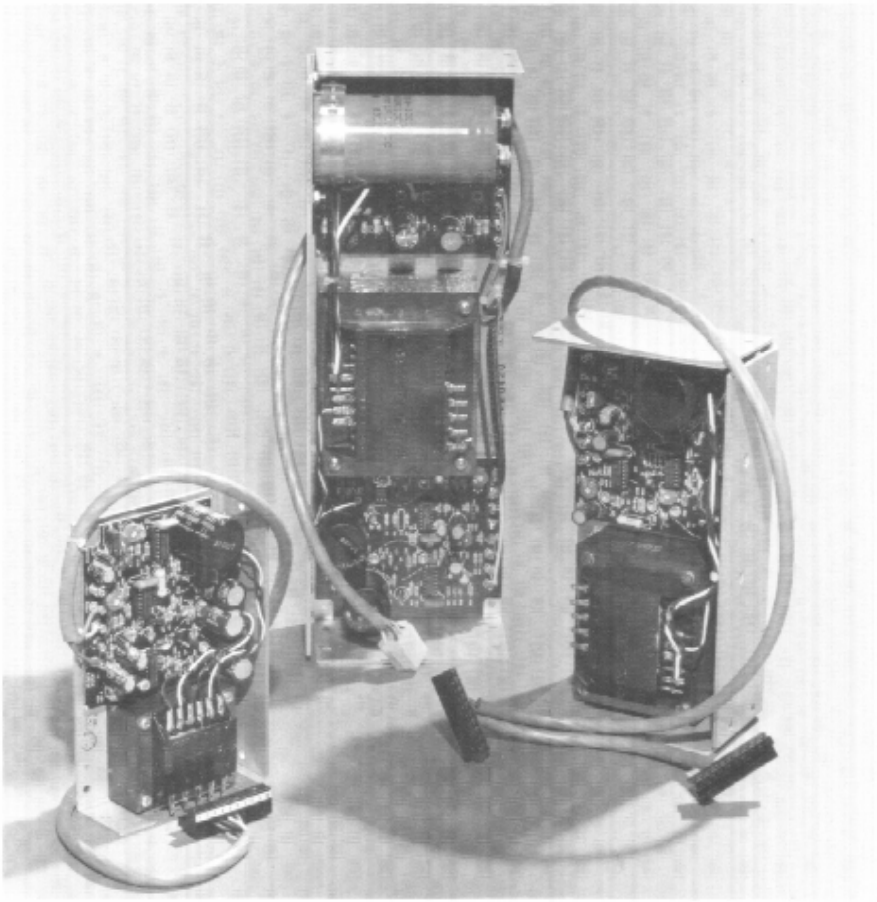
ORDERING INFORMATION

MIS-200	**Machine Interface Simulator:** Setup and development tool for the PMC; packaged in a black anodized enclosure (6"l x 4.5"w x 2"h)

DC POWER SUPPLIES

Triple output DC Linear power supplies provide a highly reliable power source for ORMEC's Programmable Motion Controller (PMC).

All models provide +5VDC and ±12VDC and come with connections and a DC power cord for interfacing the power supply with a PMC or, in multi-axis applications, a PMC chassis.



FEATURES

- VDE transformer construction
- ± .05% regulation
- I.C. burned-in to MIL-883 Lev. B
- Chassis notched for AC input
- 100/120/220/230-240 VAC
- Industry standard size
- 2-hour burn-in period
- UL recognized/CSA certified
- OVP on 5V outputs
- Full-rated to 50° C
- Foldback/current limit

SPECIFICATIONS

AC Input:
100/120/220/230-240 VAC +10%, -13% (except for 230 VAC operation which is +15%, -10%), 47-63 Hz

DC Output:

	+5 VDC	±12 VDC
PSU-001	2A	0.4 A
PSU-002	6A	1.0 A
PSU-003	12A	1.7 A

Line Regulation:
±.05% for a 10% line change

Load Regulation:
±.05% for a 50% load change

Output Ripple:
5.0mV PK-PK maximum

Transient Response:
50 usec for a 50% load change

Short Circuit and Overload Protection:
Automatic current limit/foldback

Temperature Rating:
0°C to 50°C full-rated, derated linearly to 40% at 70°C

Temperature Coefficient:
±.03%/°C maximum

Typical Efficiency:
5V units: 45%
12V units: 55%

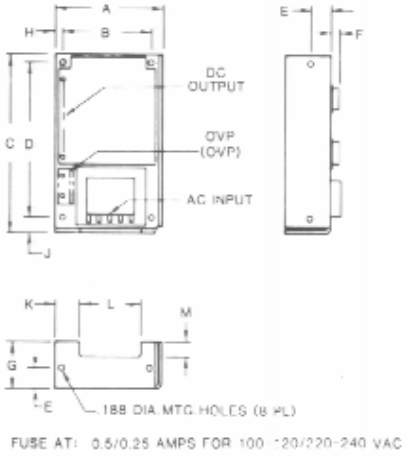
Overvoltage Protection:
Built-in for all 5V outputs. Set at 6.2V ±.4V.

Stability:
±0.3% for 24 hour period after 1 hour warmup

ORDERING INFORMATION

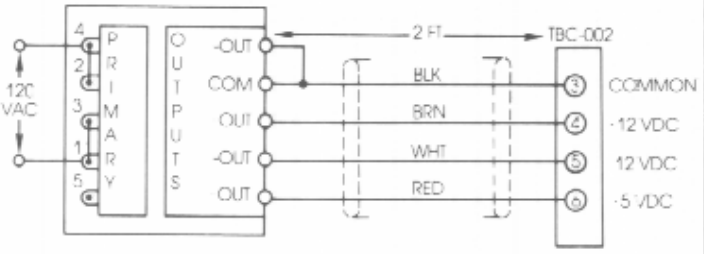
PSU-001	**1-Axis Power Supply:** Triple Output DC Linear (4"l x 1.75"w x 6.5"h), +5 VDC @ 2 A, and ±12 VDC @ .4 A; with DC power cord and terminal block (TBC-002) for attaching to TM2 of PMC
PSU-002	**2-Axis Power Supply:** Triple Output DC Linear (9"l x 2.75"w x 5"h), +5 VDC @ 6 A, and ±12 VDC @ 1 A; with DC power cord and two terminal blocks (TBC-002) for attaching to TM2 of two PMCs
PSU-003	**5-Axis Power Supply:** Triple Output DC Linear (14.25"l x 2.75"w x 5"h), +5 VDC @ 12 A, and ±12 VDC @ 1.7 A; with DC power cord and connector for attaching to PMC-005

PSU-001 MOUNTING DRAWING & SCHEMATIC



FUSE AT: 0.5/0.25 AMPS FOR 100-120/220-240 VAC

AA CASE
WT. 2LBS.

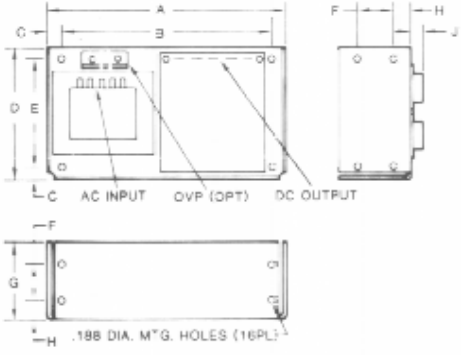


	INCH	mm.
A	4.00	101.60
B	3.375	85.73
C	6.50	165.10
D	5.750	146.05
E	0.75	19.05
F	0.450	11.43
G	1.62	41.15
H	0.25	6.35
J	0.50	12.70
K	0.955	24.26
L	2.37	60.20
M	0.57	14.48

AC INPUT*				
FOR USE AT	100 VAC	120 VAC	220 VAC	230/240 VAC
JUMPER	*1&3 2&4	1&3 2&4	2&3	2&3
APPLY AC	1&5	4&1	1&5	4&1

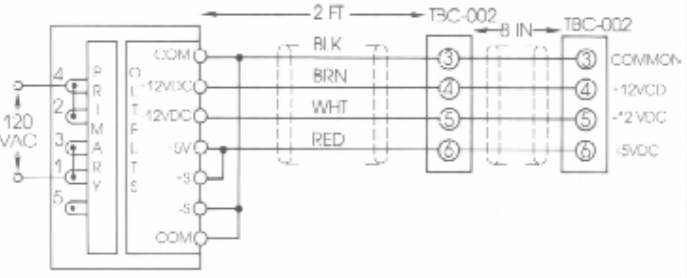
*Applies to all units

PSU-002 MOUNTING DRAWING & SCHEMATIC



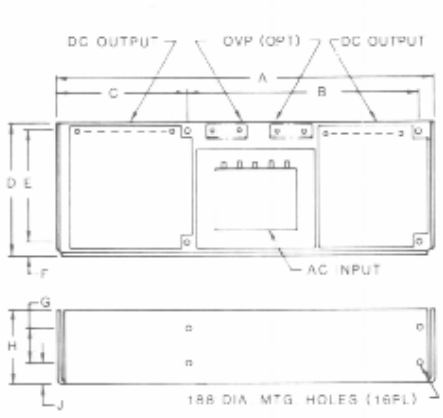
FUSE AT: 2.0/1.0 AMPS FOR 100-120/220-240 VAC

D CASE
WT. 7.5LBS.



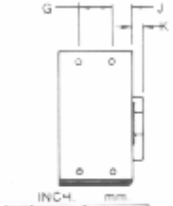
	INCH.	mm.
A	9.00	228.60
B	8.000	203.20
C	0.50	12.70
D	4.87	123.70
E	4.125	104.78
F	1.250	31.75
G	2.75	69.85
H	0.75	18.05
J	0.525	13.34

PSU-003 MOUNTING DRAWING & SCHEMATIC

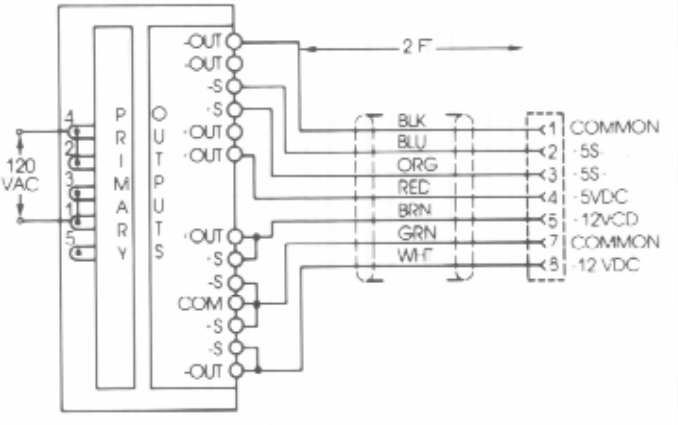


FUSE AT: 3.0/1.5 AMPS FOR 100-120/220-240 VAC

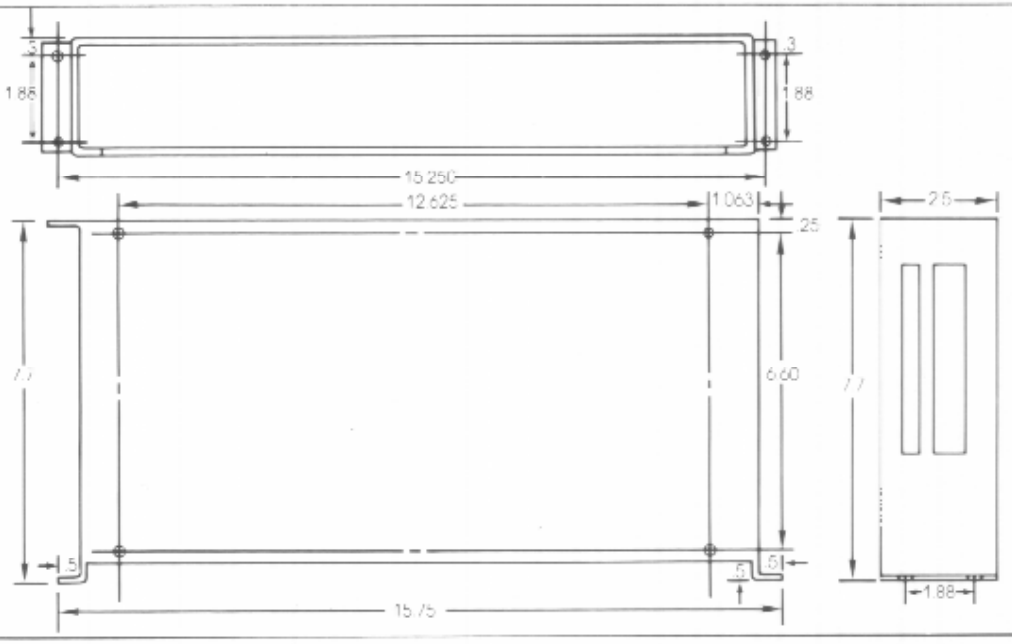
DBB CASE
WT. 11LBS.



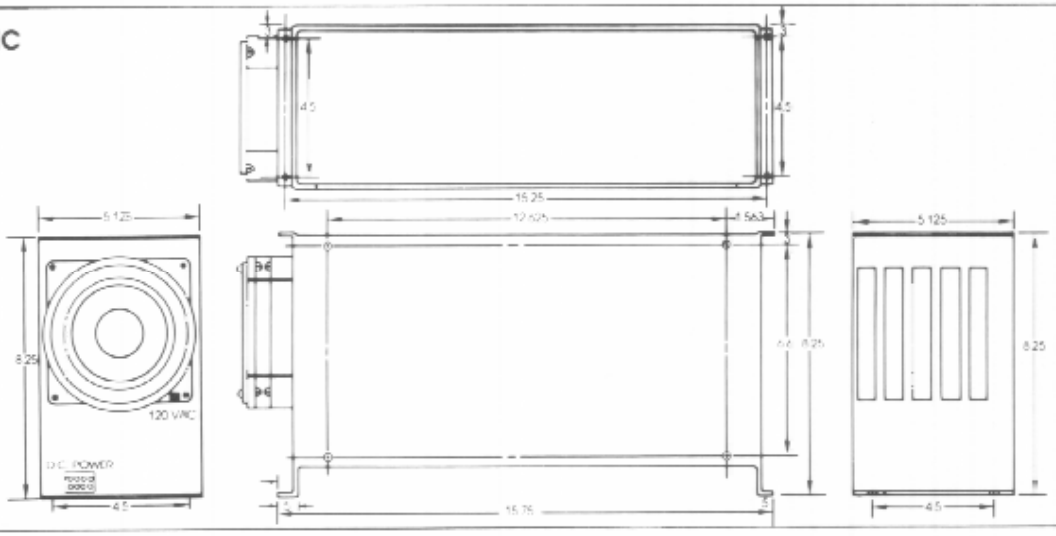
	INCH.	mm.
A	14.25	361.95
B	8.750	222.25
C	5.00	127.00
D	4.87	123.70
E	4.125	104.78
F	0.50	12.70
G	1.250	31.75
H	2.75	69.85
J	0.75	19.05
K	0.625	15.88



2-AXIS PMC CHASSIS



5-AXIS PMC CHASSIS



PMC CHASSIS

ORMEC's 2 and 5-axis PMC chassis provide a simple, cost effective method for panel mounting Programmable Motion Controllers. The chassis come with a foot or side mount and feature positive locking PC board rails for mounting up to two or five PMCs.

The 5-axis PMC chassis also includes a DC power connector, power distribution PC board and a cooling fan with line cord.

ORDERING INFORMATION

PMC-002	**2-Axis PMC Chassis:** Foot or side mount (15.75"l x 2.5"w x 7.75"h) with positive locking PC board rails for mounting two PMCs
PMC-005	**5-Axis PMC Chassis:** Foot or side mount (17"l x 5.125"w x 8.25"h) with positive locking PC board rails for mounting five PMCs; includes a DC power connector, power distribution PC board and a cooling fan with line cord

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