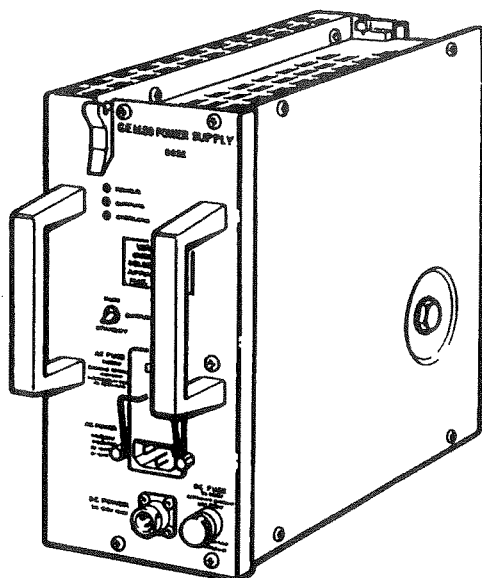


GEM80 Power Supply 9032-4010



BOX CONTENTS

This box contains one GEM80 Power Supply Unit 9032-4010

PRODUCT COMPLIANCE

This product complies with the essential safety requirements of the Low Voltage Directive (1), and the Electromagnetic Compatibility Directive (2). However, it is outside the scope of the Electromagnetic Directive, and the CE Marking and Declaration of Conformity requirements of the Directives apply only to the Low Voltage Directive.

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|-----|---|-------------------------------|
| (1) | Low Voltage Directive | 73/23/EEC of 19 February 1973 |
| | amended by | |
| | The CE Marking Directive | 93/68/EEC of 22 July 1993 |
| (2) | Electromagnetic Compatibility Directive | 589/336/EEC of 3 May 1989 |
| | amended by | |
| | The Directive | 92/31/EEC of 28 April 1992 |

DESCRIPTION

The 9032-4010 GEM80 Power Supply Unit is a replacement for the earlier 9032-4001, and 9032-4002 versions. The 9032-4010 is physically similar to, and has electrical and environmental performance characteristics equivalent to, or better than its predecessors. This makes it a direct replacement for the 9032-4001 & 9032-4002 in any GEM80 system.

SPECIFICATION

Supply Voltage Range:	88 to 132V ac rms, OR 176 to 364V ac rms, 45 to 63Hz (AC supply range must be set by mains selector switch) OR 22 to 80V dc.	
Outputs:	7A @ +5.1V; 5A @ +15V No derating necessary up to maximum operating temperature	
Output Voltage Tolerance:	±2% over 0-100% load change	
Power Consumption:	140 Watts at full rated output current (with DC input). 80% Efficiency Operates with 0.6 to 0.7 power factor on AC supplies	
Maximum Inrush Current:	25A @ 121V ac decay time 10ms maximum 50A @ 264V ac decay time 10ms maximum 86A @ 48V dc decay time 10ms maximum	
Input Supply Interruption:	20ms @ nominal 110Vac, 220Vac & 48Vac supply and full load Orderly shutdown on continuous supply interruption Automatic start up when supply resumes	
Undervoltage Shutdown:	Latched shutdown occurs if any output falls below 95% of nominal value. Reset by switching supply off and on.	
Overvoltage Protection:	Transient suppression on all outputs	
Operating Temperature Range:	0 to +60°C Ambient	
Storage Temperature:	-25 to +70°C	
Humidity:	10 to 90% non-condensing	
Supply Protection:	Incoming supply protected by a front panel mounted fuse for dc supply inputs and a fuse incorporated in the combined inlet, voltage selector & fuse holder unit for ac supplies	
Status Indication LED's:	Green LED Green LED Red LED	Supply Healthy Outputs Healthy Overload PSU in latched shutdown
Weight:	4.5kg maximum	
Features:	The 9032-4010 Power Supply Unit provides all the control signals that are required by a GEM80 system, i.e. Power Valid output, Reset output, 100Hz Clock Output and a PSU Test input & output	

CUSTOMER SERVICES

The Customer Services Department at Kidsgrove is available for help if you have any queries about this product.