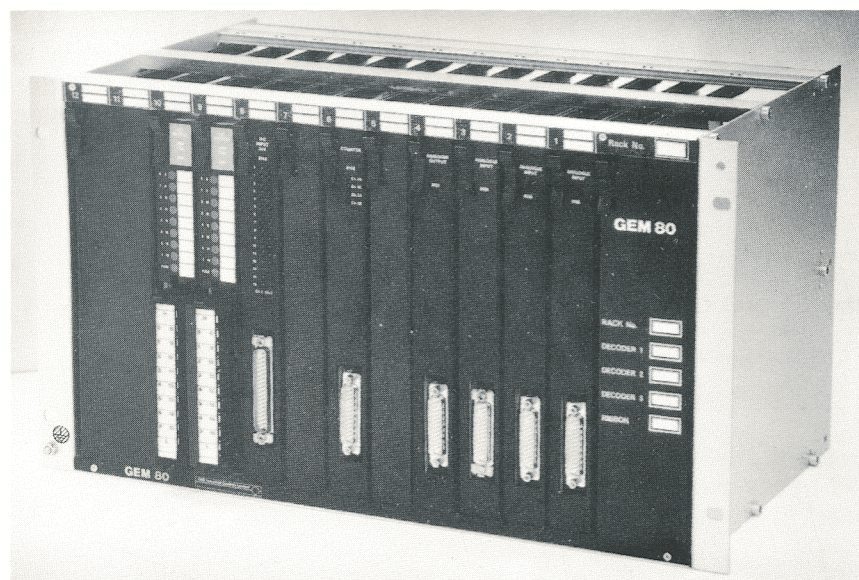




12-Slot Compact I/O Subrack

8869-4002

For Numeric and Digital Modules



DESCRIPTION

To cater for the increasing demands of industry the GEM 80 family has been augmented to include a new 12-slot, I/O subrack which can accommodate 256 I/O points without compromising its flexibility.

The new 8869-4002 Compact I/O Subrack is designed and built to the same exacting standards as its predecessors, but features a completely new addressing system and bus structure.

Eight of the subrack slots can accommodate 32-point modules enabling the total I/O capacity of one Basic I/O ribbon to be handled by eight modules and one subrack. However this does not mean that we have had to sacrifice the benefits associated with the 16 and 8-point modules. The new 8869-4002 can accommodate the full point range of modules to provide your design engineer with a versatile, totally flexible system.

When compared with its predecessors the new 8869-4002 provides a four fold saving in precious control room space and a proportionate saving in capital investment.

Versatility is the hallmark of the new 8869-4002 Subrack; digital and numeric modules can be accommodated side by side enabling analogue, counter, and digital I/O to be processed simultaneously.

Utilisation of the 19" rack style affords the new subrack full integration with your installation, be it current or projected.

Furthermore, Fast I/O is not a pre-requisite thereby enabling the 100 series controller users to derive the benefits of analogue control for their plant.

FEATURES

- Permits simultaneous accommodation of digital and numeric modules.
- Hardware electrical interlocks inhibit system operation in absence of user-nominated modules.
- All modules are secured in the subrack by a retaining clip. The clip is automatically released by the module ejection handle during removal, and the rear connectors are mechanically coded.
- Simple electrical connections to the subrack and extensive provision for identification labels means replacement time (and hence machine downtime) is minimised.
- The subrack may be converted to a rear-mounting unit if desired using an optional rear-mounting support kit.

GEM 80 PRODUCT DATA

8869-4002

SPECIFICATION

Number of : 12.
slots for
I/O modules

Number of : 256 maximum per Basic
I/O : I/O ribbon.
points

Maximum Subrack Capacity	
Type	Max. Number
All 8-point Compact I/O Modules	12
All 16-point Compact I/O Modules	12
All 32-point Compact I/O Modules	8
8108 Analogue Input Multiplexer (self scan)	6
8108 Analogue Input Multiplexer (forced scan)	3

The restrictions given in the 8869-4002 User Information sheet will apply when 8, 16, 32 and 8108 modules are mixed in the same subrack.

Weight : 2.5kg.
without
modules

Mounting : 19" rack mounting.

Dimensions : 265 x 483 x 305mm.
(high x wide x deep) with modules
inserted. Allow a further 15mm
depth for plant side wiring.

Temperature : 0 to 60°C operating.
- 20 to + 70°C storage.

Humidity : 10% to 90% non-condensing.

ORDERING CODES

12-slot Compact
I/O Subrack

8869-4002

ADDITIONAL INFORMATION

If you require any further information or wish to discuss an application in detail, do not hesitate to contact our GEM 80 Representative.

GEC industrial Controls Limited.
Programmable Controllers Division,
Kidsgrove, Stoke-on-Trent,
Staffordshire ST7 1TW, England.
Tel: Kidsgrove (07816) 3511
FAX (Group 3) Kidsgrove (07816) 76329
Telex: 36293 GECICK

Also at:
Mill Road, Rugby,
Warwickshire CV21 1BD.
Tel: Rugby (0788) 2121

Registered at London No. 540682
Holding Company: The General Electric Company p.l.c.,
1 Stanhope Gate, London W1A 1EH.

Note: The Company's policy is one of continuous development and improvement and, therefore, the right is reserved to supply products which may differ in detail from those described and illustrated in this publication. All our products and materials are sold subject to Conditions of Sale available from us on request.

Publication No. T. 511 Issue 1 6.86
©1986 The General Electric Company p.l.c. of England