KineticSystems

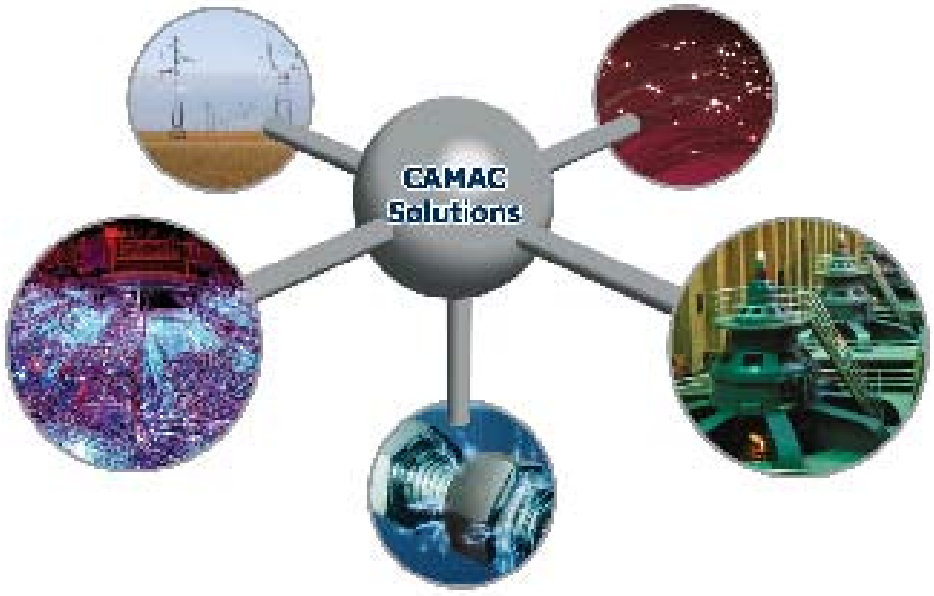
CAMAC Equipment

CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

Since 1969, CAMAC has been used in many thousands of scientific, industrial, aerospace, and defense test systems around the world.

3095

24-bit, Discrete Output



The Model 3095 Discrete Output module provides an interface between the CAMAC Dataway and discrete outputs, allowing the computer to control lights, buzzers, and other on/off devices.

APPLICATIONS

General-purpose digital interface
Remote control applications

FEATURES

- 24 bits of discrete output in a single-width module
- Options available for relay output, optical isolator output, and open collector output
- Rank 1/Rank 2 registers for simultaneous update of outputs on more than one module

GENERAL DESCRIPTION

The Model 3095 Discrete Output module provides an interface between the CAMAC Dataway and discrete outputs, allowing the computer to control lights, buzzers, and other on/off devices. It is a single-width module containing 24 output channels. This module contains Rank1/Rank2 registers for the simultaneous update of outputs on more than one module for simulation-type systems. Output options are available as follows:

All outputs are brought to the front panel via either a 50-pin "D" socket connector or a 50-contact ribbon connector.

OPERATION

The data word is written into the Rank 1 registers via an F(16)•A(0) command. The external control of the Rank 2 register (and output devices) is selected by the Mode register. The Rank 1 data is copied to the Rank 1 register by using a one microsecond external convert pulse on either the P1 or P2 Dataway line (see Mode Table) or by the F(25) A(0) command, regardless of the mode setting.

MODE TABLE

Mode	External Control of Rank 1/Rank 2 Register
0-3	Disable
4	P1 or P2 Pulse
5	P2 Pulse
6	P1 Pulse
7	P2 Pulse, followed by P1 Pulse

SPECIFICATIONS (FOR EACH CHANNEL)

Relay Output (RDO)

Open circuit voltage: 100 volts (max)
ON current: 0.5 amperes (max)
Switched load: 10 volt-amperes (max)
Contact bounce: 3 milliseconds (max)

Optically Isolated Output (IDO)

Open circuit voltage: 30 volts (max)
ON current: 10 milliamperes (max)
ON voltage drop: 1 volt (max)
OFF current: 1 microampere (max)
Output polarity: Collector positive with respect to emitter

Open Collector Output (LDO)

Open circuit voltage: 30 volts (max)
ON current: 250 milliamperes (max)

ACCESSORIES

Model 1850-A1D	Termination Panel (Ribbon-type)
Model 5950-Z1A	Mating Connector (Ribbon-type)
Model 5934-Z1A	Mating Connector ("D"-type)

Please contact KineticSystems Corporation for information on the termination panel for the "D" type.

ORDERING INFORMATION

MODEL	TYPE	DESCRIPTION
3095-x1A	RDO	Reed relay output (isolated contacts)
3095-x1B	IDO	Optical isolator output (isolated)
3095-x1C	LDO	Open collector output (ground referenced)

x:

-A suffix 50S Amphenol Ribbon Connector

-E suffix 50P "D" Connector

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