

CAMAC Equipment

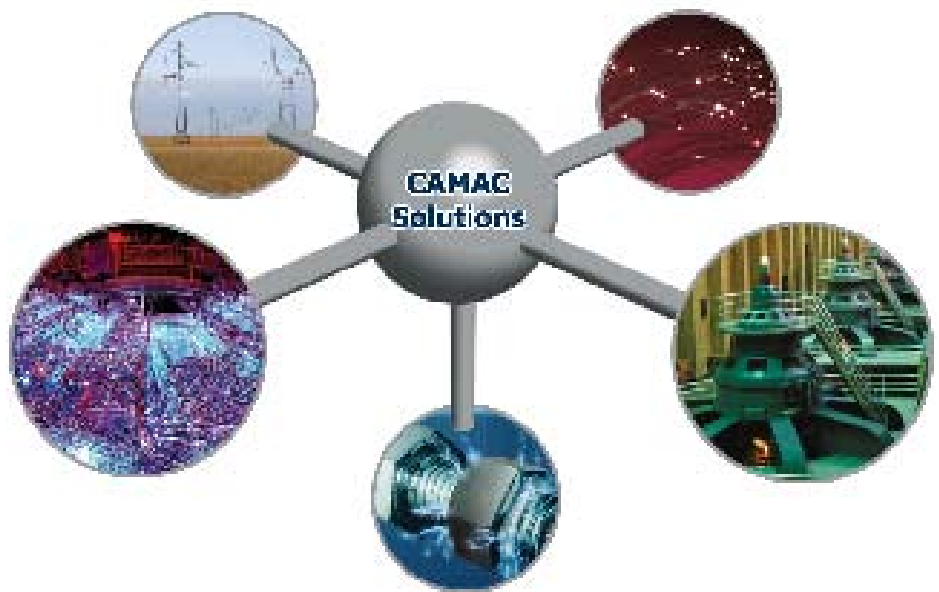
CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

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

APPLICATIONS

General-purpose digital interface
Remote control applications

3074 24-bit, Isolated Output Register



The Model 3074 is a single-width module containing a 24-bit register that drives 24 output circuits.

FEATURES

- 24 isolated output circuits (isolated from each other and ground)
- Reed relay, optical isolator, and ac switch options available
- Internal register can be written and read from the Dataway
- Front-panel LEDs indicate state of all output



GENERAL DESCRIPTION

The Model 3074 is a single-width module containing a 24-bit register that drives 24 output circuits. Module options are available with the output circuits composed of reed relays, optical isolators, or isolated ac switches. Each output option is available with a 50-contact ribbon connector or a 50-pin "D" connector; both connector options are front-panel mounted.

Twenty-four LEDs are provided on the front panel for monitoring the current state of all output circuits. The optical isolators and ac switches are provided in sockets. Because of size limitations, sockets are not provided on the reed relay option.

For all options the maximum voltage, current, and (for the reed relay option) volt-ampere ratings must be observed. Appropriate external suppression must be provided for inductive loads.

Since both read and write commands are provided, "Selective Set" and "Selective Clear" functions can be achieved by reading the register, performing the appropriate software sequence (logical AND, etc.), and then writing the module register.

OUTPUT RATINGS

Models 3074-A1A, E1A (reed relays)

Maximum open circuit voltage: 100 V
Maximum current: 0.5 A
Maximum switched load: 10 Volt-Amperes
Output polarity: either
Contact bounce: 3 ms

Models 3074-A1B, E1B (optical isolators)

Maximum open circuit voltage: 30 V
Maximum ON current: 10 mA
ON voltage drop: less than 1 V
OFF current: less than 1 µA
Output polarity: Collector positive with respect to emitter (Even I/O contacts positive, odd contacts negative)

Models 3074-A1C, E1C (optically isolated, zero voltage, turn-on ac switches)

Maximum open circuit voltage: 200 V
Maximum ON current: 0.5 A, 47 to 70 Hz
Minimum ON current: 0.01 A
ON voltage drop: less than 1.6 V

ACCESSORIES

MODULE	MATING CONNECTOR	TERMINATION PANEL
3074-A1Z	5950-Z1A	1850-A1D
3074-E1Z	5934-Z1A	1850-E1D

ORDERING INFORMATION

3074 Products and Part Numbers

MODEL	DESCRIPTION
3074-x1z	24-bit Isolated Output Register

X:
A = 50S Amphenol Ribbon
E = 50P "D"

Z:
A = with Reed Relays
B = with Optical Isolated Relays
C = with Solid State Relays

Updated December 16th, 2005

Copyright © 2005 KineticSystems Company, LLC. All rights reserved.

KineticSystems Company, LLC

900 N. State St.
Lockport, IL 60441-2200

Toll-Free (US and Canada):

phone 1-800-DATA NOW
1-800-328-2669

Direct:

phone +1-815-838-0005
fax +1-815-838-4424

Email:

mkt-info@kscorp.com

To find your local sales representative or distributor or to learn more about KineticSystems' products visit:

www.kscorp.com