Model 3495

48-bit Discrete Input

INSTRUCTION MANUAL

February, 1987

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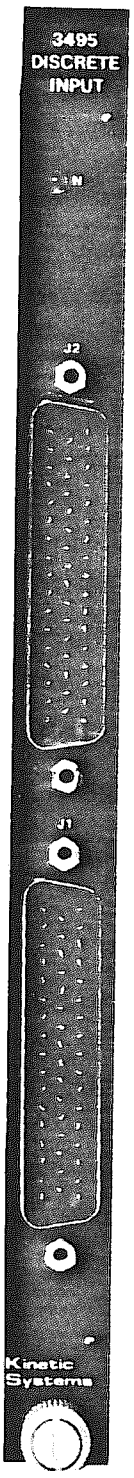
48-bit Discrete Input

Provides 48 bits of TTL- or HTL-level monitoring **3495**



Features

- **48 bits of discrete input in a single-width module**
- **Options available for high threshold or TTL signals levels**
- **Data strobe for simultaneous update of Read register**

Typical Applications

- **Status monitoring**
- **Data input**
- **Contact sense**

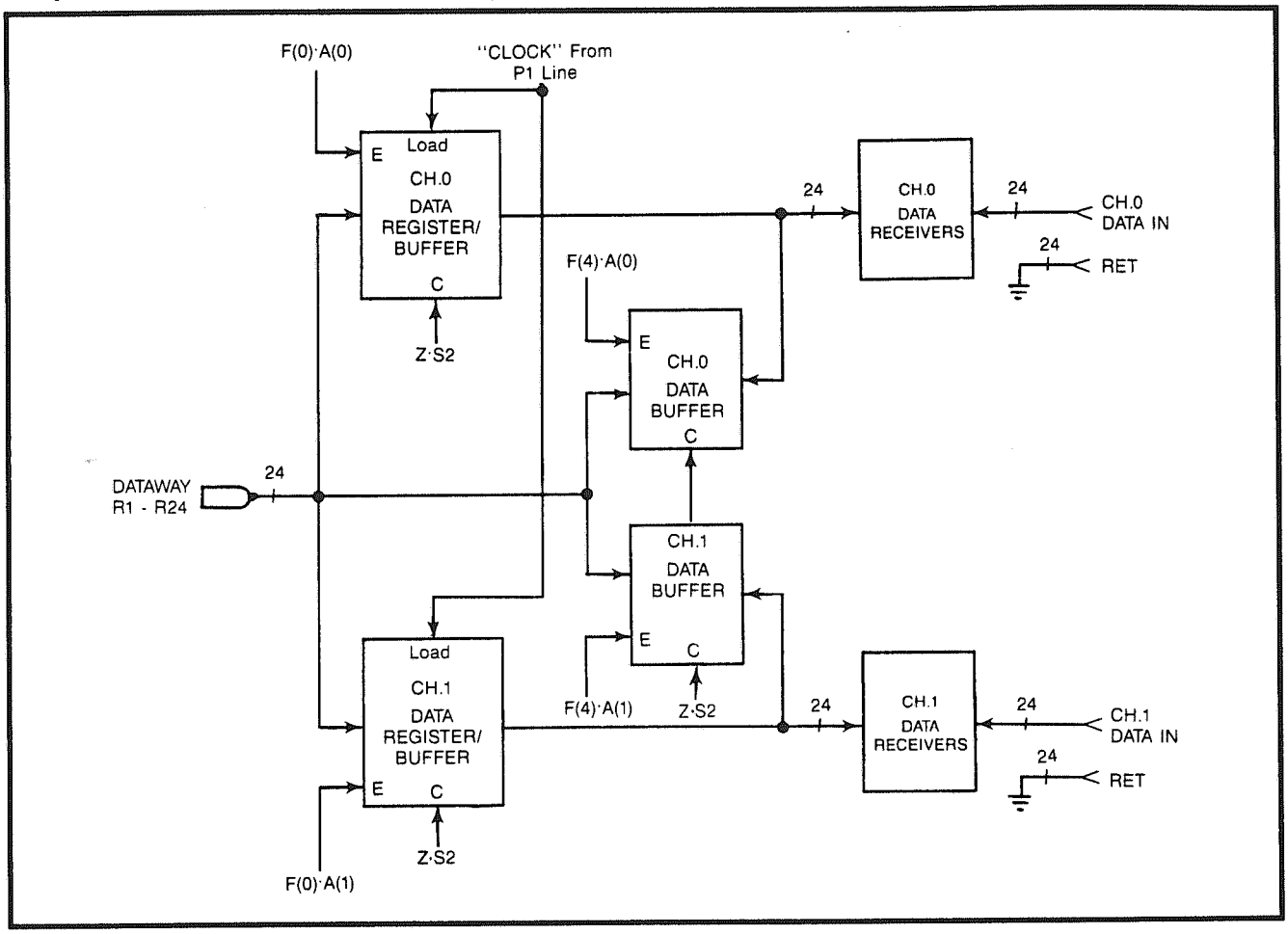
General Description *(Product specifications and descriptions subject to change without notice.)*

The 3495 is a single-width CAMAC module that provides an interface between discrete input signals and the CAMAC Dataway, allowing the computer to monitor switch-action type devices (high threshold option) or TTL level signals (TTL option). Each input bit is a signal pair (one-sided, grounded in the module). The signals are brought into the module via two 50-pin "D," front-panel connectors.

Function Codes

Command		Q	Action
F(0)·A(0)	RD1	1	Reads the buffer for Channels 1 to 24.
F(0)·A(1)	RD1	1	Reads the buffer for Channels 25 to 48.
F(4)·A(0)	F04	1	Reads the current state of Channels 1 to 24.
F(4)·A(1)	F04	1	Reads the current state of Channels 25 to 48.
Note: X = 1 for all valid addressed commands.			

Simplified Block Diagram



Power Requirements

+6 volts:	500 mA
+24 volts:	30 mA

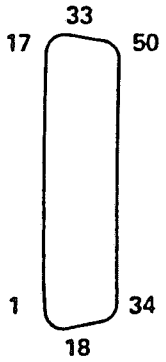
Ordering Information

Model 3495-E1A	Discrete Input, HTL inputs, 48 bits, 50P "D" connector
Model 3495-E1B	Discrete Input, TTL Inputs, 48 bits, 50P "D" connector

Related Products

Model 5934-Z1A	Mating Connector
Model 5851-Bxyz	Module I/O Cable

Model 3495



FACE VIEW

Pin/Wire List

50 PIN 'D'

PIN NO.		PIN NO.		PIN NO.	
17	DIGITAL GROUND	33	CHANNEL 16 SIGNAL	50	DIGITAL GROUND
16	CHANNEL 8 SIGNAL	32	CHANNEL 16 RETURN	49	CHANNEL 24 SIGNAL
15	CHANNEL 8 RETURN	31	CHANNEL 15 SIGNAL	48	CHANNEL 24 RETURN
14	CHANNEL 7 SIGNAL	30	CHANNEL 15 RETURN	47	CHANNEL 23 SIGNAL
13	CHANNEL 7 RETURN	29	CHANNEL 14 SIGNAL	46	CHANNEL 23 RETURN
12	CHANNEL 6 SIGNAL	28	CHANNEL 14 RETURN	45	CHANNEL 22 SIGNAL
11	CHANNEL 6 RETURN	27	CHANNEL 13 SIGNAL	44	CHANNEL 22 RETURN
10	CHANNEL 5 SIGNAL	26	CHANNEL 13 RETURN	43	CHANNEL 21 SIGNAL
9	CHANNEL 5 RETURN	25	CHANNEL 12 SIGNAL	42	CHANNEL 21 RETURN
8	CHANNEL 4 SIGNAL	24	CHANNEL 12 RETURN	41	CHANNEL 20 SIGNAL
7	CHANNEL 4 RETURN	23	CHANNEL 11 SIGNAL	40	CHANNEL 20 RETURN
6	CHANNEL 3 SIGNAL	22	CHANNEL 11 RETURN	39	CHANNEL 19 SIGNAL
5	CHANNEL 3 RETURN	21	CHANNEL 10 SIGNAL	38	CHANNEL 19 RETURN
4	CHANNEL 2 SIGNAL	20	CHANNEL 10 RETURN	37	CHANNEL 18 SIGNAL
3	CHANNEL 2 RETURN	19	CHANNEL 9 SIGNAL	36	CHANNEL 18 RETURN
2	CHANNEL 1 SIGNAL	18	CHANNEL 9 RETURN	35	CHANNEL 17 SIGNAL
1	CHANNEL 1 RETURN			34	CHANNEL 17 RETURN

NOTE: Connector wiring for Channels 25 through 48 is identical to that shown above.