SEEKIRK

Series C1000

Four-Point Remote or Local Annunciators

for installation in, on or near monitored equipment

Benefits

- Economical — ideally sized for smaller equipment
- Versatile — 20 models for sequence and relay selections; custom versions available
- Exceptional reliability; false-alarm free
- Long service life and ultra-low maintenance

Features

- Models available with all standard annunciating sequences featured for A1000 Models
- Rugged, compact; four-point capacity
- Flush or rear mount
- Front access with single cam-lock fastener; top and bottom conduit knockouts

Applications

Series C1000 annunciators are designed for use with equipment having only four or less points that are to be monitored. This permits economy by not having to buy an oversized stock annunciator with 10 or 12 points.

They are also designed for applications requiring rugged, fail-safe monitoring protection, with an absolute minimum of false alarms due to electrical noise or other disturbances.

Remote C1000 models may have the relay contacts of the four modules connected in parallel for a single two-wire output to a supervisory annunciator. This minimizes the cost of long cable runs. When an alarm occurs the "locked on" point in alarm can be determined by going to the remote C1000.

Individual Control Switches

ON = Setting for normal operation

RESET/OFF = Causes lamp and auxiliary relay to "reset" to normal after an alarm condition occurs (see "Follow" and "Lock-on" Operation)

TEST = Full-circuit test of all points

"Follow" and "Lock-on" Operation

The C1000 lamp and relay for each point will normally "lock-on" until the control switch is placed to RESET/OFF.

By clipping (opening) the green wire of each point module, the associated lamp and relay will "follow" the normal or alarm condition of the user's field contact. Each of the four point modules can be individually set up for either type of operation. (Some Models cannot use "Lock-on" operation; see Sequence Chart.)

Lamp and Relay "Sequences"

Most typically the lamp and relay(s) for each point module operate together: lamp on and relay energized. Other sequences are possible, as shown in the Sequence Chart.

Typical C1000 Annunciator

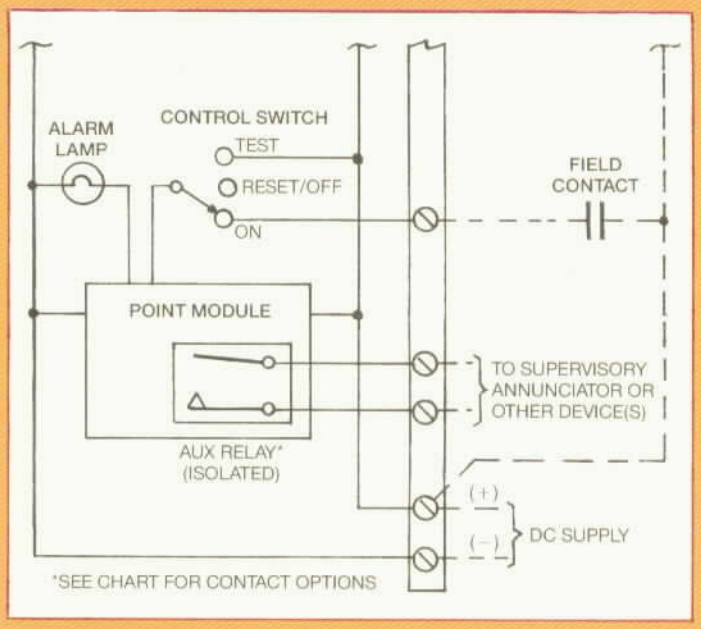
Selecting the Model Number

The basic model number defines the lamp and relay sequence, and a blank or letter suffix defines the relay type(s). Choose the model number (C1001, C1002, C1002R/O or C1003) from the Sequence Chart depending on the sequence you want. Then either use no suffix letter, or letter A, B, C, or D to identify the relay configuration you want — see Relay Chart. NOTE: Except for special orders each unit is shipped with all point modules having all relays the same.

Example: Model C1002 has the lamp relay sequence shown in the Sequence Chart. With no suffix letter added (basic model), the unit will include one set of N.O. relay contacts in each point module. However, Model C1002B has the same sequence but includes one N.O. contact set and one N.C. contact set in each module.

For More Details...

...on sequences and relays, refer to the Series A1000 brochure. All information is identical; simply change the "A" prefix of the 12-point A1000 Series annunciators to "C" (prefix for four-point C1000 Series)



Typical C1000 Simplified Diagram

General Specifications

Size: 7-7/8″ H x 6-3/8″ W x 5″ D overall; panel opening 7-3/8″ H x 5-3/8″ W
Mounting: Rear or Panel; J bolts for panel mounting are included
Relay Contacts: 15 VA resistive, 1.5 amps max; Isolation 35 V dc
Input Voltage: 12, 24, 48, or 125 V dc, as specified
Input Power: Less than 3 VA per point; max 12 watts in TEST mode
Alarm Response Time: 2 milliseconds
Temperature Range: 0° to 140° F (−18° to 60° C)

Ordering

Provide the following: (1) Model Number with Suffix letter if any. (2) Input voltage; 12, 24, 48 or 125 V dc. (3) Engraving for legend plates if Seekirk is to supply. (4) List spare parts desired; lamps, lamp caps, point modules. (5) Number of *extra* equipment manuals per unit (one supplied with each unit ordered). (6) Caps for lamps will be Amber unless one of the following is requested: Red, Green, Blue or White. (All colors are "standard.")

If you need a non-standard sequence or relay choice, call the factory and we will attempt to meet your special needs.

Sequence Chart

FIELD CONTACT STATUS	C1001, A, B, C, D				C1002, A, B, C, D				C1002R/O, -A, -B, -C, -D				C1003, A, B, C, D		C1003, D†	
	FOLLOW		LOCK ON		FOLLOW		LOCK ON		FOLLOW		LOCK ON		FOLLOW		LOCK ON	
	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY	LAMP	RELAY
NORMAL	OFF	D	OFF	D	OFF	D	OFF	D	OFF	D	OFF	D	OFF	D	OFF	D
ALARM	ON	E	ON	E	ON	E	ON	E	ON	E	ON	E	ON	E	ON	E
RET TO NORM	OFF	D	ON	E	OFF	D	ON	E	OFF	D	ON	E	ON	D	ON	E
RESET 1*	ON	E	ON	E	OFF	D	OFF	D	ON	D	ON	D	ON	D	ON	E
RESET 2*	—	—	OFF	D	—	—	OFF	D	OFF	D	OFF	D	OFF	D	OFF	D

NOTES: 1. Relay status is either "D" (De-energized) or "E" (Energized)
*2. Reset 1 = reset after alarm, but *before* alarm status clears.
Reset 2 = reset *after* alarm status clears.

†3. C1003A, C1003B and C1003C *not* available with Lock On sequence.

Relay Chart

BASIC MODELS	A SUFFIX	B SUFFIX	C SUFFIX	D SUFFIX
C1001 C1002 C1002R/O C1003	C1001A C1002A C1002R/O-A C1003A*	C1001B C1002B C1002R/O-B C1003B*	C1001C C1002A C1002R/O-C C1003C*	C1001D C1002D C1002R/O-D C1003D
	 †	 †	 †	

Note: All contacts shown de-energized.
*Operates only in "follow the field contact" sequence (control switch "ON").
†Dual contact sets are independent relays which operate simultaneously.

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