Gamewell FCI FIRE CONTROL INSTRUMENTS

by Honeywell

Description

The 600 Series remote annunciators (RAN2 and RAN2-RC) provide remote display and control capabilities. Each RAN device is connected to the main 600 Series Fire Alarm Control Panel (FACP) via a serial communications port. The RAN interprets the instructions from the main FACP, initiating its own programmed response, and retransmitting the instructions to the next device.

Gamewell-FCI 600 Series systems can accommodate up to 64 devices connected to the serial communications port. In addition to the Remote Annunciator (RAN2), these devices include Serial Annunciator drives (SAN) and Remote Printer Interfaces (RPI). These devices comprise the Gamewell-FCI Status Control Network. Each device contains its own microprocessor and can be programmed independently. A network of devices can be programmed directly from a single device, saving valuable installation time.

The Remote Alphanumeric Display (RAN2) is fully super-vised and has dual serial ports for network connection. The RAN2 family displays the user text from the main system. The remote control version (RAN2-RC) has seven switches: Remote Acknowledge, Reset, Signal Silence, Lamp Test, Display 1st Event, Display Next Event, Display Previous Event.

The basic RAN2 has a scroll switch only. The scroll switch is used to review multiple events on the system. The remote control versions are provided with a seven-position switch bank and eight LEDs for system annunciation. The switches provide remote control of the connected system. A key switch enables and disables the switches to prevent unauthorized operation.

The Status Control Network is connected to the main 600 Series control panel via an EIA-232 data communications line. The SIM-232 module is used to provide an isolated EIA-232 output from the main CPU of the IF632, IF654,

600 Series RAN2, RAN2-RC Models

RAN2, RAN2-RC

Features

- Backlit LCD alphanumeric display, 4-lines by 40-characters.

- Up to 64 devices supported on a single 600 Series control panel.

- Field-programming via PC.

- Dual optically-isolated serial ports.

- Microprocessor controlled.

- Supervised.

- Allows remote system control.

- Surface-mount and flush-mount models available.

- Adjustable viewing angle.

- Network monitoring capabilities.

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SIGNALING

and IF658 FACPs. The IF602 and IF610 have a built-in EIA-232 port.

Applications

Remote alphanumerics are ideal wherever text-based annunciation of system activity is required. Since the RAN can also control system activity, no additional hardware is needed to complete a status and command center for a system of any size.

Engineer's Specifications

Remote annunciation and control for the main control panel shall be supplied where indicated. Remote annunciation and control shall be accomplished via the EIA-232 data communications line. It shall be possible to add up to 64 devices to the communication line. It shall be possible to mix serial annunciators, printers and LCD alphanumeric displays on a single line without the need for special software. Devices shall not be placement-sensitive. All devices shall

Specifications

Input Power:	20-30 VAC or VDC
Standby Current:	0.04A normal (backlight off)
Alarm Current:	0.04A plus external load
Operating Temperature:	+34° F to +120° F (0° C to +49° C)
Relative Humidity:	93% non-condensing
Protocol (Xon/Xoff)	2400 baud, non parity, 8 data bits, 1 stop bit
Dimensions:	
Surface Mount (-S):	5.125" H x 9.875" W (13.018 H x 25.083 W cm)
Flush mount (–F):	6.125" H x 10.875" W (15.558 H x 27.623 W cm)
Backbox (RAN2-BB):	5.25" H x 10.10" W x 2.44" D (13.335 H x 25.654 W x 6.198 D cm)

Ordering Information

Part Number	Description
RAN2-S	Remote annunciator, surface mount, 4-line x 40-character alphanumeric display.
RAN2-F	Remote annunciator, flush mount, 4-line x 40-character alphanumeric display.
RAN2-RCS	Remote annunciator, surface mount, 4-line x 40-character alphanumeric display with remote control.
RAN2-RCF	Remote annunciator, flush mount, 4-line x 40-character alphanumeric display with remote control.
SIM-232	Serial interface module, mounts in 600 Series control (IF632, IF654, IF658) to supply EIA-232 outputs. Not required for IF602 and IF610 systems.
70703	Programming cable (remote annunciators programmed via PC-based "SAN Program").