

Remote Annunciators

600 Series RAN2, RAN2-RC Models



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

Applications

Remote alphanumeric 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

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.

Listings

Listings and approvals below apply to the basic RAN2 and RAN2-RC annunciators. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listed: file S521.
- CSFM approved: file 7120-1288:149.
- FM approved.

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 be individually field-programmable and independent from each other. The devices shall be Gamewell Remote Annunciators.

Operation

The Status Control Network communicates via an electrically-hardened, optically-isolated EIA-232 interface which can operate at baud rates ranging from 1200 to 9600 baud. The default communications protocol is set for Gamewell 600 Series systems. Power for each device can be supplied from either the main system or locally, as each unit will accept either 24 VAC or 24 VDC power.

The FACP transmits all system data to each device. Each device then reads the information and passes it along to the next device. The devices filter the incoming information and display it according to their programming.

Programming the status control network can be done either singly or in multiples. To simplify programming, the network will retransmit programming information to any device down-line if required.

Ordering Information

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. <i>Not required for IF602 and IF610 systems.</i>
70703	Programming cable (remote annunciators programmed via PC-based "SAN Program").

Specifications

Remote alphanumeric displays RAN2-S, RAN2-F, RAN2-RCS, RAN2-RCF

Input power: 20 – 30 VAC or VDC.

Standby current: 0.04 A normal
(backlight off).

Alarm current: 0.04 A plus external load.

Operating temperature: +32°F to
+120°F (0°C to +49°C).

Relative humidity: 93% non-condensing.

Protocol (Xon/Xoff): 2400 baud, no
parity, 8 data bits, 1 stop bit.

Dimensions

Surface mount (-S): 5.125" H x 9.875"
W (cm: 13.018 H x 25.083 W).

Flush mount (-F): 6.125" H x 10.875" W
(cm: 15.558 H x 27.623 W).

Backbox (RAN2-BB): 5.25" H x 10.10" W
x 2.44" D (cm: 13.335 H x 25.654 W x
6.198 D).



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