



by Honeywell

600 Series SAN, SAN-RC

Description

The 600 Series serial annunciator driver (SAN) is used to light a lamp or LED in an annunciator. It also provides a switched positive output per point for interface with building automation systems or driving relays. Each device is capable of interpreting the instructions from the main CPU, initiating its own programmed response, and retransmitting the instructions to the next device.

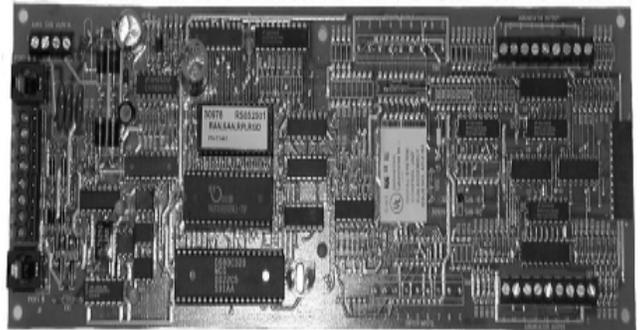
The Gamewell-FCI 600 systems can accommodate up to 64 devices connected to the serial communications port. In addition to the serial annunciator drives (SAN), these devices include remote annunciator (RAN) and remote printer interface (RPI). This combination of devices comprise the Gamewell-FCI status control network. Since each device contains its own microprocessor, each can be programmed independently. A series of devices can be programmed directly over the network from a single device, saving valuable installation time. Programming is accomplished via Windows®-based configuration software.

Each SAN input point can activate up to five output points for matrix annunciation. There are two basic models available, the SAN and the SAN-RC. The SAN-16 is equipped with 16 freely programmable outputs which can be used for remote control or monitoring, expandable to 128 points using PDM modules.

The SAN-16-RC has all of the features of the SAN-16, plus the ability to read inputs into the system. The SAN-16-RC has provisions for four inputs for: remote acknowledge, reset, signal silence, and lamp test. In addition to the basic 16 outputs, there are eight (8) common outputs for: common system alarm, common system trouble, AC power, communications, action required LED prompts for system acknowledge, reset and signal silence, and a driver for a local audible.

The status control network, including SAN units, is connected to the main 600 Series control panel via an RS-232 data communication line. The SIM-232 module is used to
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Serial Annunciator Driver



SAN, SAN-RC

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Features

- Up to 64 devices supported on a single 600 Series control panel.
- Windows®-based field programming.
- Dual optically isolated serial ports.
- Can interface with building automation systems via standard ASCII communication.
- Microprocessor based.
- Expandable in 16 point increments to 128 points. Supervised.
- Allows remote system control.
- Mounting track included.

An ISO 9000-2000 Company



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provide an isolated RS-232 output from the main CPU of the 600 Series system panels. The IF602 and IF610 panels have built-in RS-232 ports.

Applications

The SAN units provide a means for remote annunciation and control of the system via a simple RS-232 connection. These driver units fit neatly into an annunciator unit and can be used to drive the LED or incandescent lights of a standard or graphic-type annunciator. When it is necessary for remote system control, the SAN-16-RC provides for up to eight inputs for system control. Any or all inputs may be used to customize any given command station's capabilities.

The SAN units can also be used to interface with other building systems via ASCII or where dry contacts or a switched output is required. The SAN's outputs can be used to drive a relay to interface or control virtually any remote point or group of points.

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 RS-232 data communications line. It shall be possible to add up to 64 devices to the communication line. Each device shall be capable of driving up to 128 points. It shall be possible to mix 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 device shall be Gamewell-FCI part numbers.

Specifications

Serial Annunciator

Driver: Basic SAN and SAN-RC provide 16-point drives.

SAN

Input Power: 24 VAC/VDC
Standby Current: 0.04 A max.
Alarm Current: 2.0 A max.
Output Power: 0.040 A max. per output.
Dimensions: 12" W x 4" H x 2" D
(30.5 W x 10.2 H x 5.1 D cm)

PDM-16 Point Drive Module

Input Power: From SAN Module
Standby Current: 0.002 A
Alarm Current: 0.002 A

Ordering Information

Model	Description
SAN-16	Serial annunciator driver module, main driver with 16-outputs.
SAN-#	Serial annunciator driver module, specify number of outputs in 16-point increments (i.e., SAN-32, SAN-48, SAN-128). Includes mounting track and interconnect cables. Contact the Gamewell-FCI Technical Support for details.
SAN-16-RC	Serial annunciator driver with four-remote control inputs, eight (8) common outputs and 16-outputs.
SAN-#-RC	Serial annunciator driver with four- remote control inputs, eight (8) common outputs and a specifiable number of outputs in 16-point increments (i.e., SAN-32-RC, SAN-48-RC, SAN-128-RC). Includes mounting track and interconnect cables. Contact Gamewell-FCI Technical Support for details.
PDM-16	Point driver module for field-expanding serial annunciator drivers, 16 outputs.
SIM-232	Required serial interface module, mounts in 600 Series control 632, 654, and 658 to supply RS-232 outputs. Note: This model is not required for use with the IF602 and IF610 Systems.
GW70703	Programming cable (Programmed via a Windows®-based SAN program). Found on the Gamewell-FCI website. Note: This program is only available to Gamewell-FCI authorized distributors.

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