



by Honeywell

600 Series SAN, SAN-RC

Description

The 600 Series Serial Annunciator Driver (SAN) is used to light a lamp or an LED in an annunciator. It also provides a switched positive output per point used for the 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 a remote annunciator (RAN2) and a remote printer interface (RPI). This combination of devices comprise the Gamewell-FCI status control network. Since each device contains its own microprocessor, each device 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 Point Driver Modules (PDM).

The SAN-16-RC includes all of the features of the SAN-16, plus the ability to read inputs into the system. The SAN-16-RC has provisions for the following four inputs:

- Remote Acknowledge
- Signal Silence
- Reset
- Lamp Test

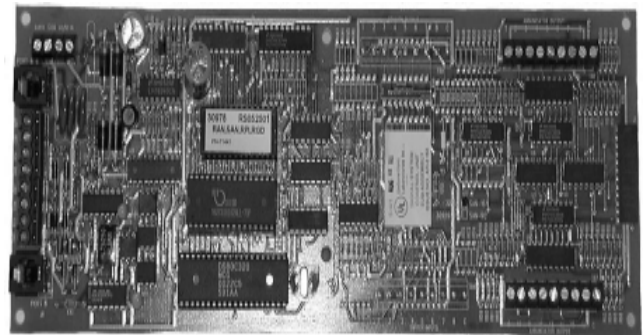
In addition to the basic 16 outputs, there are the following eight (8) common outputs:

- Common System Alarm
- AC Power
- Common System Trouble
- Communications
- Action required LED
- Driver used for a local audible Acknowledge
- Reset
- Signal Silence

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Serial Annunciator Driver



SAN, SAN-RC

Features

- Listed per ANSI/UL® 864, 9th Edition
- Up to 64 devices supported on a single 600 Series control panel
- Uses Windows®-based field programming
- Provides Dual optically isolated serial ports
- Interfaces with building automation systems via standard ASCII communication
- Microprocessor based
- Expandable in 16 point increments to 128 points
- Supervised
- Allows remote system control
- Includes Mounting track

An ISO 9000-2000 Company



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GAMEWELL-FCI

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Description (Continued)

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 provide an isolated RS-232 output from the main CPU of the IF632, IF654, and IF658 FACPs. The IF602 and IF610 panels contain 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 used 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 identified by Gamewell-FCI part numbers

Specifications

Serial Annunciator

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

SAN-16

Input Power: 24 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 the SAN Module

Standby Current: 0.002 A

Alarm Current: 0.002 A

Ordering Information

Model	Description
GWSAN-16	Serial annunciator driver module, main driver with 16-outputs.
GWSAN-16-RC	Serial annunciator driver with four-remote control inputs, eight (8) common outputs and 16-outputs.
GWPDM-16	Point driver module for field-expanding serial annunciator drivers, 16 outputs.
GW30939	Cable 26" (66 cm)-field expansion to connect between rows of PDM-16's mounted in GW69999 track
GW69999	Track 16" (40.64 cm) for SAN field expansion (holds four (4) PDM-16's)
GWSIM-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/RAN program). Located on the Gamewell-FCI website. Note: This program is only available to Gamewell-FCI authorized distributors.