FirePro.

FirePro-Kentec Sequential Activator

(FP-SA/GEN3.0)

Data Sheet

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Fire Suppression

Installation Sheet: Connecting FirePro Sequential Activators

Connections for model FP-SA/GEN3.0

This installation sheet describes connections of the FirePro Sequential Activator, model FP-SA/GEN3.0. The FirePro Sequential Activator functions as a result of settings on the Sigma A-XT Releasing Fire Control Panel. The FirePro Sequential Activator operates Fixed Condensed Aerosol Generating Fire Extinguishing System Units.

Fixed Condensed Aerosol Generating Fire Extinguishing System Units are described as generators in this installation sheet. Reference the Specifications section of this document for FirePro generator models authorized for use with the FirePro Sequential Activator.

Connections

Remove and then discard the EOL diode on the EXTING terminals of the Sigma A-XT Releasing Fire Control Panel when installing the FirePro Sequential Activator.

Sigma A-XT Releasing Fire Control Panel

Provide connections from the FirePro Sequential Activator to the Sigma A-XT Releasing Fire Control Panel using four-conductor cabling. A maximum of 20 FirePro Sequential Activators can be connected to the Sigma A-XT Releasing Fire Control Panel.

Connect FirePro Sequential Activators to the Sigma A-XT Releasing Fire Control Panel only.

Installing One Generator

Connect a generator to terminals A+ and B- of the FirePro Sequential Activator when installing one generator.

Reference Figure 1-1 illustrating the use of one generator connection to the FirePro Sequential Activator.

Installing Two Generators

Connect a generator to terminals A+ and A- of the FirePro Sequential Activator. Connect a second generator to terminals B+ and B- of the FirePro Sequential Activator.

Reference Figure 1-1 illustrating two generator connections on the FirePro Sequential Activator.

The Jumper

A jumper connection is installed on each FirePro Sequential Activator. When installing multiple FirePro Sequential Activators, remove the jumper from the first through the *second-to-last* FirePro Sequential Activator in the connection sequence. Connect the jumper to the last FirePro Sequential Activator in the multiple connection sequence.

Reference Figure 1-1 illustrating the use of multiple connections of the FirePro Sequential Activator.

Maintain the jumper connection when one FirePro Sequential Activator is connected on the Sigma A-XT Releasing Fire Control Panel.

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MANAGEMENT SYSTEM CERTIFICATION
DNV·GL
ISO 9001 = ISO 14001

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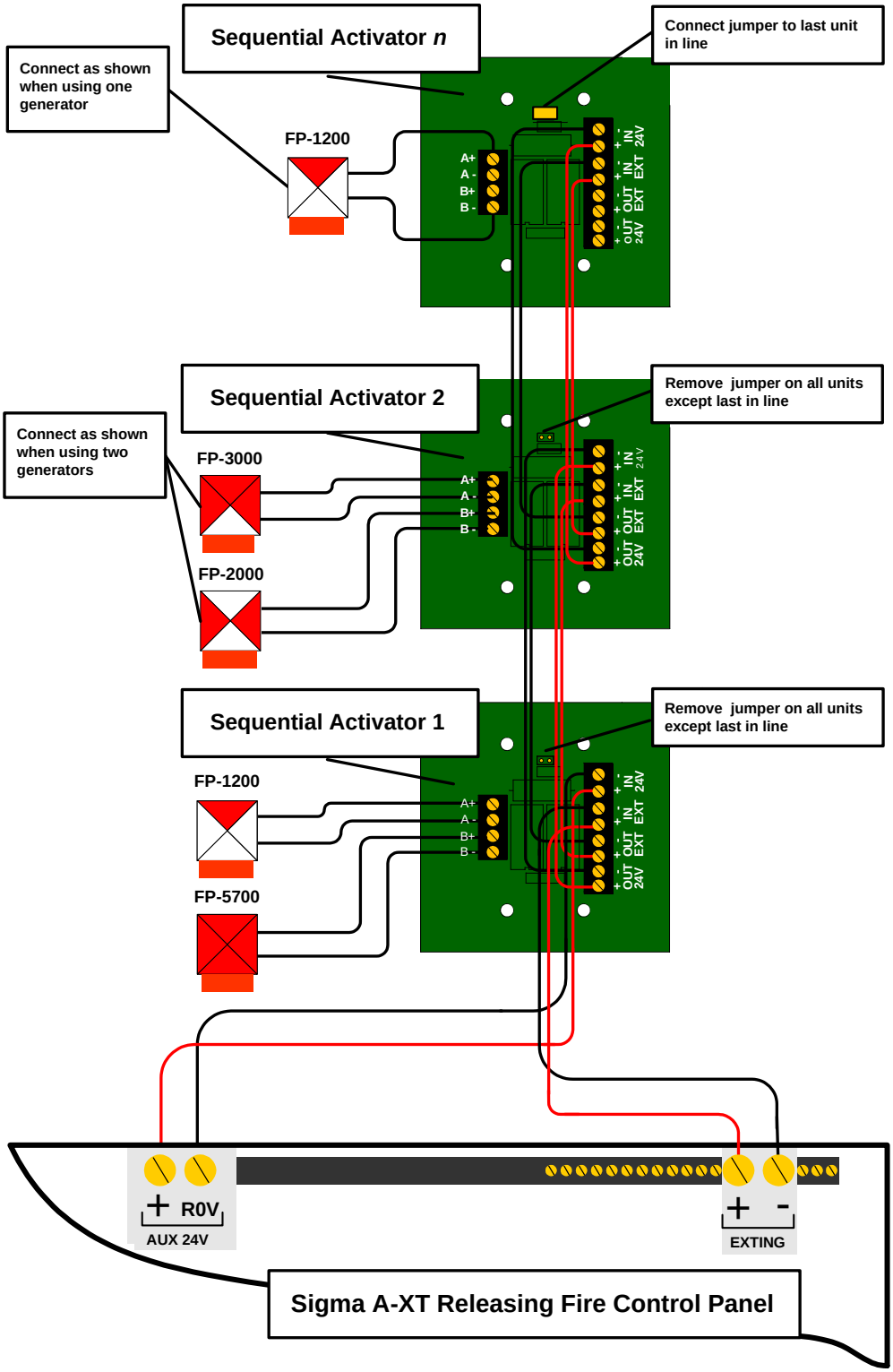
The figure below illustrates connections of the FirePro Sequential Activator:

Figure 1-1
FirePro Sequential Activator Connections



Specifications

The table below describes specifications of the FirePro Sequential Activator:

Description	Specifications
Operating Voltage	24 VDC
Normal Standby and Alarm	1.0 mA
Releasing Input	24 VDC
Normal Standby	5 mA
Alarm	1 A (Maximum)
Releasing Output (Class B)	24 VDC @ 1 A maximum load with 2.4 VDC maximum line drop.
Power To Fire Single Cylinder	900 mA
Terminals	Spring leaf 5mm pitch
Cable Capacity	0.5 mm^2 to 2.5 mm^2
Input Delay Time	500 milliseconds +/- 100 milliseconds
End Of Line Device	Jumper supplied
Output Duration	2.1 seconds +/- 400 milliseconds
Size	91mm X 91mm X 41mm
Material	Mild Steel
Color	Light grey textured epoxy powder coated

The Operating Voltage, Normal Standby and Alarm current described in the table above originate at the AUX 24V output of the Sigma A-XT Releasing Fire Control Panel. The AUX 24V output connects to the In 24V terminals of the FirePro Sequential Activator. The AUX 24V output is supervised and power limited.

The Releasing Input, Normal Standby and Alarm current described in the table above originate at the EXTING output of the Sigma A-XT Releasing Fire Control Panel. The EXTING output connects to the IN EXT terminals of the FirePro Sequential Activator. The EXTING output is supervised and power limited.

The Releasing Output voltage, maximum load and maximum line drop described in the table above originate at the OUT EXT terminals of the FirePro Sequential Activator. The maximum line impedance of 2.4 VDC is shared with the EXTING output of the Sigma A-XT Releasing Fire Control Panel. This circuit is supervised and power limited.

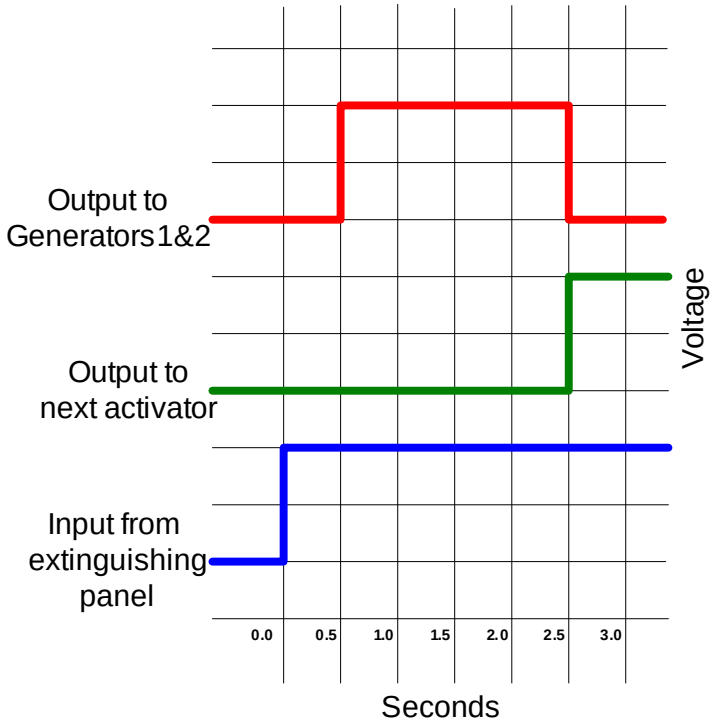
Generators

The following FirePro generator models are authorized for operation with the FirePro Sequential Activator:

- FP-100S
- FP-200S
- FP-500S
- FP-1200
- FP-2000
- FP-3000
- FP-5700

FirePro generators are manufactured by FirePro Systems Ltd.

Nominal Timing Graph



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