

SOLO Sovereign Control panel concept.

Traditional fire suppression system control panels require an external power supply 220/110 vac transformed down to provide 24/12vdc field devices with a supply to operate. So what happens if it is difficult or impossible to provide power to a remote enclosure risk ? The alternative has been to utilise suppression units with integrated thermal devices or mechanical pull stations to enable actuation. These methods can produce restrictions in how effectively a risk is protected or in the volume of risk that can be effectively covered.

The **SOLO Sovereign** provides the fire engineer a solution to provide a risk with a fully monitored electrical control panel that **needs no outside power source.**

How does it work?

Power Source

The SOLO Sovereign is powered with a replaceable battery, the lifetime depends on the temperature and can be calculated to last between 3 and 10 years.

Fire Detection

It has an internal thermal switch to act as a user selectable back up but the primary detection utilises a Linear Heat thermal sensor that can be run throughout the risk to give fast detection and actuation.

Actuation

Each Solo Sovereign supports any two Stat-X fire suppression units selected from the entire electrical range. Multiple Sovereign units can be linked together in the same risk so all the panels actuate simultaneously providing an ability to protect much larger volumes. A fault on one panel will not affect the ability of other linked panels to actuate so providing a degree of safety against total actuation failure.

Monitoring

Each Solo Sovereign has full circuit fault monitoring and will give an audible and visual fault indication.

Front Panel Indicators and switch

LED indicators are pulsed to extend battery life.

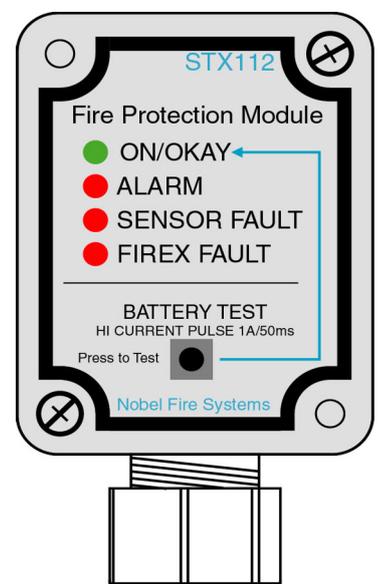
ON/OKAY LED

ALARM LED and internal audible alarm indicator

SENSOR FAULT LED (red)

FIREX FAULT LED (red)

Test button for initiating representative Hi-current pulse battery test, high current pulse test to give ">1 year remains" confidence.



Enclosure

Environmentally sealed polycarbonate panel enclosure with transparent lid and integral 10mm cable gland outlet.

Electrical connections

LOOP1a Detection

LOOP1b Detection or panel link interface

SHUTDOWN Volt free contact-Normally Open

SHUTDOWN Volt Free Contact -Common

SHUTDOWN Volt Free Contact -Normally Closed

FIREX1 Extinguishing circuit 1 x Stat-X

FIREX2 Extinguishing circuit 1 x Stat-X

ALARM Volt free contact - Normally open

ALARM Volt free contact -Common



DIMENSIONS

65mm x 50mm x 35mm excluding gland

Single to Multiple Stat-X

