

NOTIFIER TECH TIP

AFP2800

GENERAL

“Flashscan vs CLIP”

v1.0

FLASHSCAN Versus **CLIP** Loop Protocol

FLASHSCAN is a protocol that greatly enhances the speed of communications between analogue intelligent devices. Normally communication is done in a grouped fashion, (10) devices at a time. Under normal operation every device is polled approximately every 6 seconds. If one of the devices within that group has new information, then the panel stops the group poll and concentrates on single points.

CLIP (Classic Loop Interface Protocol) is an older protocol that polls every device in sequential order. Most FLASHSCAN capable devices can rollback to function in CLIP mode if required.

Each loop on an AFP2800 can support:

159 detector addresses (001 – 159) and 159 module addresses (001 – 159) when in FLASHSCAN mode.
99 detector addresses (01 – 99) and 99 module addresses (01 – 99) when in CLIP mode.

Detector protocol is independent of Module protocol i.e. each loop can be polling:

Detectors in FLASHSCAN (001 - 159) and modules in CLIP (01 – 99), or vice versa
Modules in FLASHSCAN (001 - 159) and detectors in CLIP (01 – 99).

The LED indications on the devices change colour according to the current poll mode:

Detectors polling in FLASHSCAN flash **GREEN**.

Detectors polling in CLIP flash **RED**.

Modules polling in FLASHSCAN *mostly* flash green, with exceptions.

Modules polling in CLIP *mostly* flash red, with exceptions.

The polling mode for detectors and modules is automatically determined when the panel starts or is reset with the “Reset” button SW1 located on the back of the CPU/Display.

If the loop has **all** FLASHSCAN detectors, then the poll mode for detectors will be set to FLASHSCAN.

If the loop has **all** FLASHSCAN modules, then the poll mode for modules will be set to FLASHSCAN.

If the loop has just **(1)** CLIP type detector present, then the poll mode for detectors will be set to CLIP.

If the loop has just **(1)** CLIP type module present, then the poll mode for modules will be set to CLIP.

The current polling mode for detectors and modules can be seen at or “Forced” manually from:

<SERVICE MENU>

(4) ANALOG, ANALOG LOOP FUNCTIONS

(5) LOOP, AUTOPROGRAM & LOOP UTILITIES

Enter Loop No & then use the “TOGGLE” function to set detectors/modules poll mode.

The AFP2800 series is FLASHSCAN/CLIP capable.

The AFP2802 series is CLIP only.