

NOTIFIER TECH TIP

AFP-2800/AFP-3030

FCM-1 & XP6-C Modules in “CLIP”

V1.0 CH 01/09/16

FCM-1 and XP6-C are supervised control modules typically used to switch an external power supply, such as 24VDC, through to notification appliances in the field such as bells, sounders or strobes.

As these are addressable loop modules, depending on the type of other devices that are installed on the same loop, it is possible that the loop could be polling the installed modules in either “Flashscan” or “CLIP” mode.

Please be aware of the following differences when the FCM-1 and XP6-C modules operate in these modes:

In “**Flashscan**” mode, the 24VDC external supply **WILL** be monitored internally by the module for failure. Should the 24VDC be removed, the module will report a fault through to the control panel.

- AFP-2800 will report this as an F05 fault
- AFP-3030 will report this as an “Open” fault

In “**CLIP**” mode, the 24VDC external supply **WILL NOT** be monitored internally by the module and removal of the 24VDC will not be reported as a fault.

Presence of the 47KΩ EOL (End of Line) resistor on the output circuits IS **ALWAYS** reported, irrespective of whether the loop is operating in “Flashscan” or “CLIP” mode.

It is suggested that where the FCM-1 and XP6-C modules are to be used, that consideration be given to careful design and selection of devices to be used on the associated loops to allow the modules to operate in “**Flashscan**” mode to monitor the external supply internally.

Where it is unavoidable that the FCM-1 & XP6-C modules will be attached to a loop operating in “**CLIP**” mode, it may be required to add a power supply EOL (End of Line) external relay to monitor the external supply, to manually open up the respective output circuit EOL resistor, or trigger another input point, so that a fault is reported.

Further information on connections to the modules is contained within the install documentation for the FCM-1 & XP6-C modules.

Further information on the “Flashscan” or “CLIP” loop polling modes is contained within the “Flashscan versus CLIP” Tech Tip, located in the “Download Centre” at www.notifier.com.au