

FF Data Sheet | Addressable Interface WIP & BGA

WIP - 404

AS 4428.4 Emergency Intercommunication System

Addressable Interface Module for Warden Intercom Phones

The addressable interface is designed to operate on the Fusion Digital Distributed Intelligence AU 5000 protocol.

The WIP - 404 interface module is a loop powered device that has 1 input and 1 output, which controls the operation of the phone.

The WIP - 404 interface monitors and controls one WIP Phone. Each phone can be mounted remotely from the module if required.

Up to 80 interfaces maybe connected to one loop, however an extra 24V power supply may be required every 20 devices depending loop length.

The WIP control loop should be dedicated to WIPs and BGAs only.



Key Features

- Loop wired saving expensive cabling, labour and infrastructure
- Approved to AS 4428.4
- Large capacity with up to 80 interfaces per loop
- Soft addressing via FPU-1000 handheld programmer
- Short circuit and open circuit tolerant in accordance with AS 1670.4
- Emergency Call points incorporated on the same loop

Specifications

WIP Control Loop

Operating voltage range	18 – 40V
Standby current @24V	I = 500µA

Speech Loop

Operative voltage range	20 – 30V
Standby current @27V	I = 90mA <i>(with WIP connected)</i>
Max Active current	100mA <i>(WIP active - Phone off hook or/and ringing)</i>
WIP Phone E.O.L	Active E.O.L supplied by Fusion Fire

Interface Module Enclosure

IP Rating	65
Dimensions H x D x W mm	210 x 170 x 65

Order Codes & Details

WIP Interface:	WIP-120
Programmer:	FPU1000
WIP Phone:	WIP
BGA:	FWCP/W



CMI ProdCert: PC10063

WIP Board LED Indications

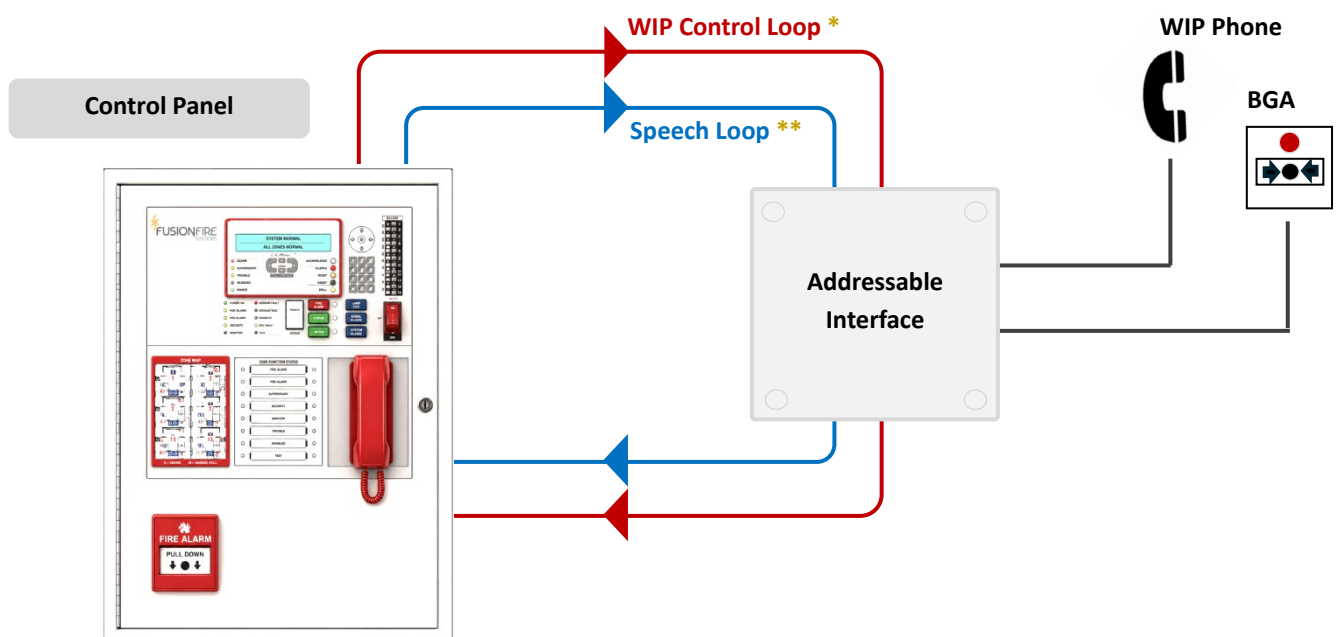
GEN FAULT LED on	Common fault condition - WIP circuit
OFF HOOK LED on	WIP phone is not placed in handset
ACTIVE LED on	WIP phone is ringing or WIP phone is connected to the Master WIP Phone
OPEN CCT LED on	Open circuit in WIP Phone line
SHORT CCT LED on	Short circuit on WIP Phone line

Jumper Settings

JP 1	Analogue ground (IN - if 404WIP Card is mounted on gear plate)
E 1	Alternate analogue ground pad
JP 2	WIP Control loop analogue ground (IN - Factory set)
JP 3, 4	Comms for Tone Generator (IN - Factory set)

Recommended Cables

WIP Control Loop *	Analogue ground (IN - if 404WIP Card is mounted on gear plate)
Speech Loop **	Alternate analogue ground pad
WIP Phone Cable (from Addressable Interface)	WIP Control loop analogue ground (IN - Factory set)
BGA Cable (from Addressable Interface)	Comms for Tone Generator (IN - Factory set)



The diagram illustrates the internal wiring of a panel for a multi-loop WIP system. It features four identical '404WIP' modules, each connected to a central 'WIP Phone' unit. The 'WIP Phone' unit has multiple 'IN+', 'IN-', 'OUT+', 'OUT-', 'SPKR', and 'Active E.O.L. (SUPPLIED)' terminals. A 'POWER' section at the bottom left indicates '+24V' and '0V' connections. The diagram is labeled 'INSIDE PANEL' at the bottom center.