



Addressable Interfaces

Integrating systems to provide a safer
environment

Bringing Systems Together

Our advanced addressable fire alarm systems are equipped with a wide range of interfaces that can effortlessly and efficiently integrate third-party systems. Our cutting edge 6000PLUS protocol is used for comprehensive system monitoring, ensuring that in the event of an emergency, third-party systems such as gas, plant machinery, lifts, Automatic Opening Vents (AOV's), etc., are promptly activated or shut down to minimise damage and ensure the safety of the building and its occupants.

To make the commissioning process simple, we have incorporated our FAST™ commissioning method and equipped the interface range with an inbuilt loop short circuit isolator to enhance reliability and safety. Our fire alarm system continuously monitors our interfaces to ensure maximum protection for the building and its occupants.



Input/Output Interfaces

Our comprehensive range of input/output interfaces are designed to seamlessly integrate with our addressable systems ensuring reliable performance and compatibility with various applications. These interfaces cater to diverse operational needs, from single-channel solutions to multi-channel configurations, while maintaining a focus on efficiency and ease of integration.



Single Channel Interface - 6000/MICCO

Our single channel interface is a loop-powered fault-monitored input and a volt-free clean contact output interface. An on-board isolator protects against loop short circuits on incoming or outgoing loop connections.



Two-channel Input/Output Interface - 6000/2IO

Our dual input/output interface is a loop-powered input/output device providing two individually monitored inputs and two volt-free changeover contacts, best used to connect ancillary equipment to a Protec fire alarm system.



Four-channel Input/Output Interface - 6000/4IO

The quad input output interface is a auxiliary powered input/output device that provides two local zones of conventional detectors, two monitored inputs, two local monitored alarm outputs and two volt-free changeover contacts. The four-channel Input/Output Interface is best used to connect ancillary equipment to a Protec fire alarm system.



Addressable Beam Interface - 6000/BEAM/IF

The Protec addressable beam interface is designed to effortlessly integrate ancillary conventional devices like beam detectors and linear heat detection into Protec's state-of-the-art addressable fire alarm systems. This interface unit is loop-powered, removing the need for an additional external power supply.



Loop Powered 4 Channel Input Output Interface - 6000/LP4IO

The 6000/LP4IO is an intelligent addressable fire alarm interface that sits directly on a Protec digital addressable loop. It serves as a critical integration point between Protec's current generation fire alarm control panels and other third-party systems. For example: gas detection, lift controls, ventilation, and gas shut-off valves.

Zone Alarm Interfaces

Our range of zone alarm interfaces bridges the gap between conventional detection systems and advanced addressable fire alarm systems. These interfaces are designed to seamlessly integrate conventional devices and sounders into Protec addressable loops, providing flexibility, reliability, and scalability for various fire safety applications.



Addressable Loop Powered Zone Alarm Interface - 6000/LPZA

The Protec loop powered zone alarm interface integrates simple conventional detectors with our addressable systems and supports up to ten conventional detectors. The on-board switches enable selectable zone end-of-line settings monitoring the circuit for open and short circuit faults with the ability to drive up to 50mAh sounder circuits without external power per LPZA.



Addressable Ancillary Powered Zone Alarm Interface - 6000/APZA

The Protec ancillary powered zone alarm interface connects a Protec digital addressable loop to a zone of conventional devices and a sounder circuit. It integrates small conventional fire detection with Protec addressable systems. Powered externally from an ancillary 24 Volt supply, it provides a larger output capability allowing for ten Protec conventional sounders per APZA.



Addressable 2-Way Loop Powered Zone Alarm Interface - 6000/2LPZA

The loop-powered zone alarm interface is a dual input/output device which provides two local zones of conventional detectors and two locally monitored alarm outputs.



Addressable 2-Way Ancillary Powered Zone Alarm Interface - 6000/2APZA

Protec's dual auxiliary powered zone alarm interface is an addressable input/output device which provides two local zones for conventional detectors in addition to two locally monitored alarm outputs.



Addressable 16-way Ancillary Powered Zone Alarm Interface - 6000/16WAY ZAI

Our addressable 16 channel auxiliary powered zone alarm interface provides input/output device allows for up to 16 local zones of conventional detectors and two locally monitored alarm outputs to integrate with a Protec addressable system. The 16-way board can also be supplied with monitored inputs and clean contact outputs if required.