

2.6 System Wiring

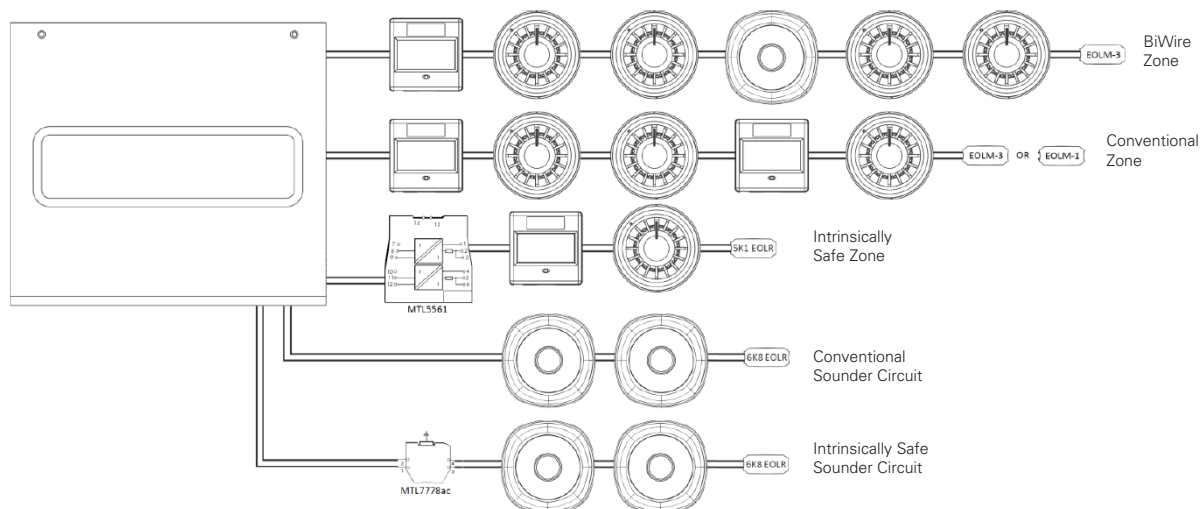


Figure 5: System Wiring Diagram

For zones configured in BiWire mode the zone can be wired for both BiWire detection (detectors and call points) and BiWire alarm (wall/base sounders, VADs and I/Os) devices terminated with an EOLM-3 embedded in the last device. Intrinsically safe and standard conventional detection and alarm devices cannot be wired onto a BiWire zone.

For zones configured in Conventional mode the zone is wired for Conventional detection (detectors and call points) devices only and must be terminated with an EOLM-1 or EOLM-3 embedded in the last device. Intrinsically safe conventional and BiWire detection and alarm devices cannot be wired onto a conventional zone.

For zones configured in Intrinsically Safe Conventional mode the zone is wired into the MTL5561 intrinsically safe barrier and all Intrinsically Safe Conventional detection (detectors and call points) devices are wired into the barrier with a 5K1 EOLR embedded in the last device. Standard conventional and BiWire detection and alarm devices cannot be wired onto an intrinsically safe conventional zone.

For sounder outputs used with standard conventional alarm (wall/base sounders, VADs and I/Os) devices the circuit must be terminated with 6K8 EOLR embedded in the last device. Intrinsically safe alarm devices cannot be mixed with standard conventional alarm devices as an intrinsically safe barrier must be used (see below). BiWire alarm devices cannot be wired to a conventional sounder output.

For sounder outputs used with Intrinsically Safe alarm devices the circuit must be wired into the MTL7778ac intrinsically safe barrier and all Intrinsically Safe Conventional alarm (wall/base sounders, VADs and I/Os) devices are wired into the barrier with a 6K8 EOLR embedded in the last device. Standard conventional alarm devices cannot be mixed with intrinsically safe alarm devices. BiWire alarm devices cannot be wired to a conventional sounder output.

For zones configured as Standard or Conventional mode the zone can be wired for detection (detectors and call points) devices terminated with an EOLM-1 and alarm (wall/ base sounders, VADs and I/Os) devices on separate circuits, as illustrated below.