

# Technical Bulletin

## Adapting 3 wire Systems to K3000 Control Equipment

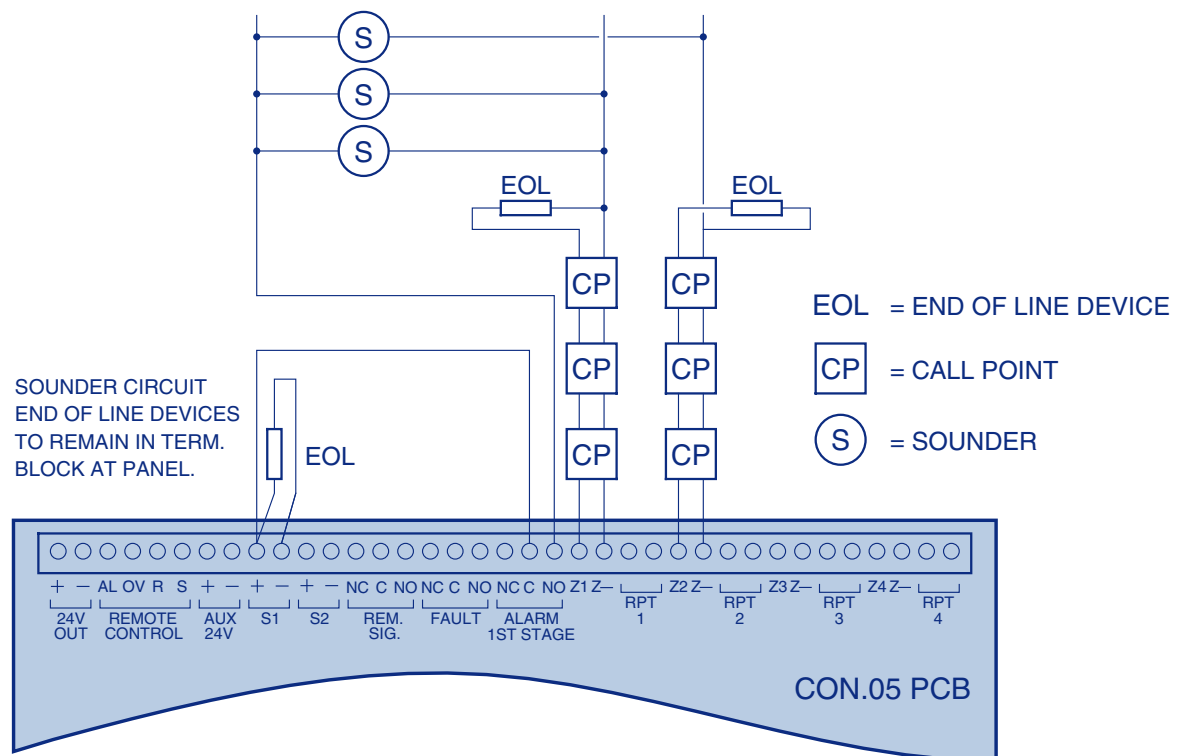
# TB 1007

Many older fire alarm systems were wired differently to most of the conventional systems installed today due to differing regulatory requirements.

These systems, generally known as "3 wire systems" used a common power supply line and individual control lines for sounders and call points, hence the 3 wires.

When the control equipment on these systems eventually fails or becomes unserviceable, a modern control panel is often used to replace it.

The K3000 series of control panels is entirely suitable for this purpose and should be wired as shown below.



It is necessary to connect the sounder supply through the Alarm contact to avoid faults being reported as a result of the leakage current through the sounders when in quiescent mode.

The detection circuit is fully monitored but there is no monitoring on the sounder circuits. Any number of zones can be configured in this way within the current limitations of the sounder circuits.