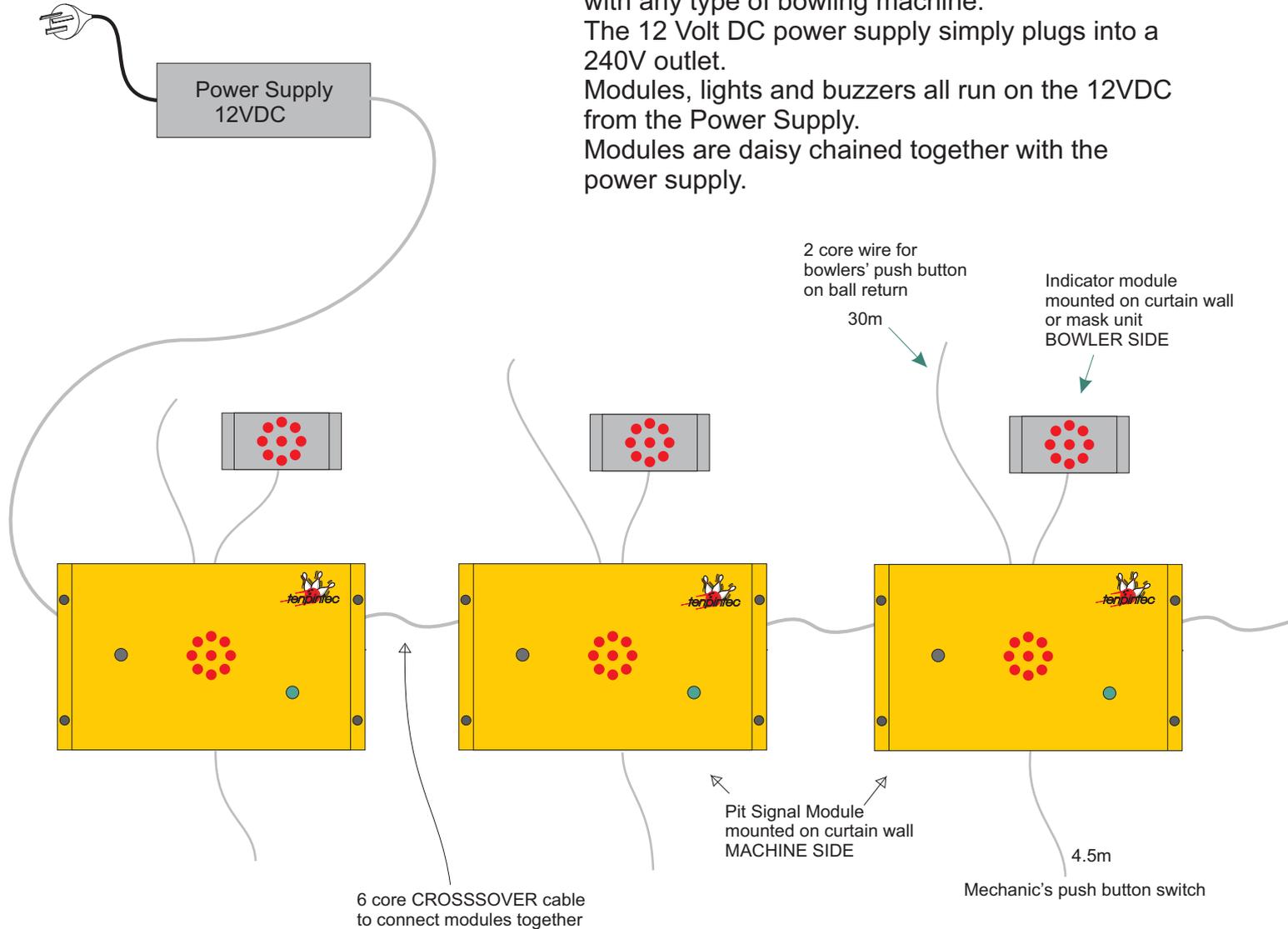


Trouble Call (Pit Signal) System

Document version 20230110

This modular pit signal system is suitable for use with any type of bowling machine.
 The 12 Volt DC power supply simply plugs into a 240V outlet.
 Modules, lights and buzzers all run on the 12VDC from the Power Supply.
 Modules are daisy chained together with the power supply.



Operation example:

Bowler on lane 3 presses trouble call button on ball return.

LED indicator on mask unit lights on lane 3 and 4
 - signaling to bowlers on both lanes to stop bowling

LED indicator on trouble call module flashes on curtain wall behind lane 3 and 4

All buzzers sound for approx 3 seconds

Technician is guided to correct machine by flashing LED indicator on module mounted on curtain wall

When machine stop is cleared, technician presses mechanics button on machine - LED on mask turns off, indicating to bowler to resume bowling

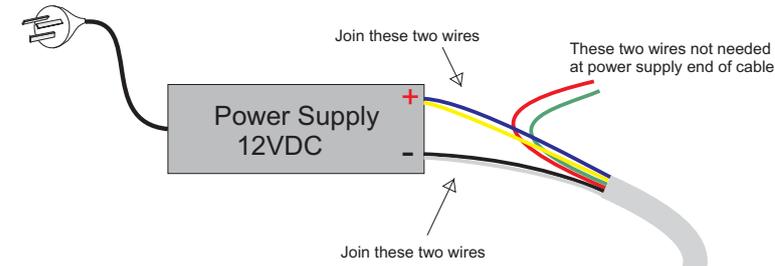
Mechanic's switch - rear of Pinspotter/Pinsetter

Alternate action switch -
 if trouble call is already activated, one push will turn it off
 if trouble call is not already activated, one push will activate (short ring 1 second)

Bowler's Push Button

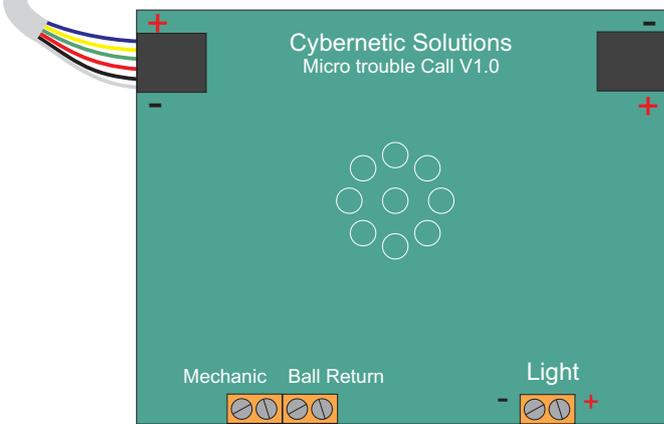
When bowler pushes trouble call button, indicator lights will activate and buzzer will ring once only (approx 3 seconds)
 Continued pressing of the bowlers' button will not cause the buzzer to sound again.

Trouble Call (Pit Signal) System

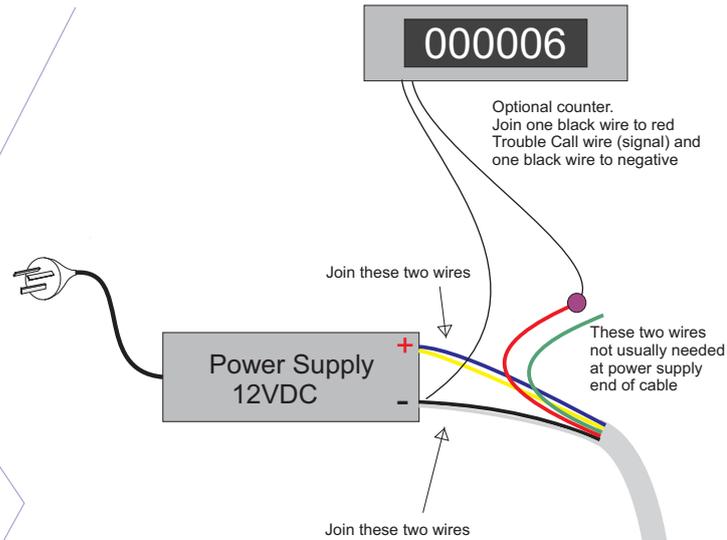


Power supply must be connected to either the first or last module of a series

Power Supply located at the Lane 1 end



OR



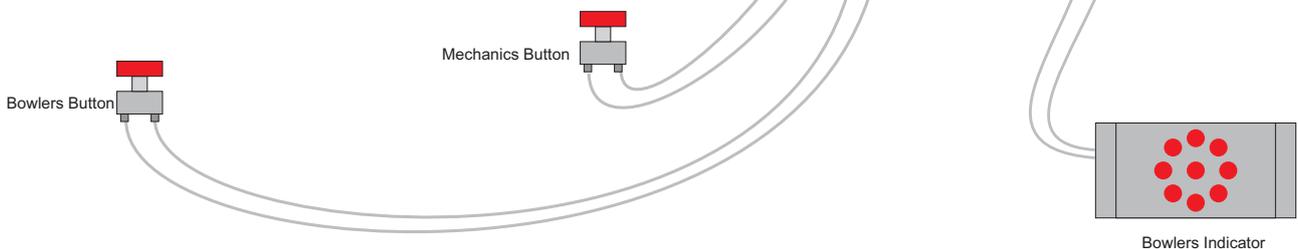
Power Supply located at the end opposite from Lane 1 (eg Lane 24)

NOTE:

It is very important when connecting the power supply to ensure that POSITIVE and NEGATIVE are around the right way.

The LEFT side of the circuit board has POSITIVE at the TOP of the connector
The RIGHT side of the circuit board has POSITIVE at the BOTTOM of the connector

Also note that the front view of the circuit board is seen from the back of the steel housing of the module



Trouble Call (Pit Signal) System

Connection of a remote Pit Signal/Trouble Call control at the front desk

