

Installing Cyrex Video Intercoms using a Central Power Supply

Customer may choose to use a central power supply instead of the power supply included with each monitor to power the video intercoms.

All Cyrex intercoms have a power rating of 24VDC 750mA. To install these intercoms using a central power supply, we need to determine how many monitors will be installed. There are many manufacturers of central power equipment. For illustration purposes, we will base this setup on the Altronix power supplies.

Example: MC750 x 1, EX750H x 2

The project will have a total of 3 monitors and 1 door bell. Each monitor draws 24VDC 750mA.

$750\text{mA} \times 3 = 2.25\text{A}$

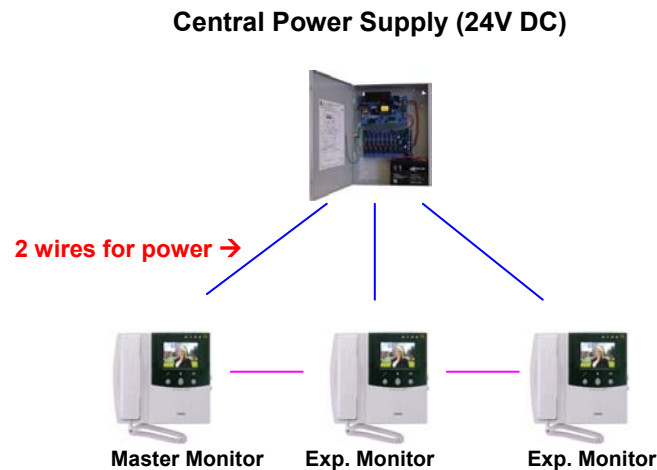
The **SMP5PMP4CB** model by Altronix supports up to 24VDC 4Amps of continuous power. This is sufficient for 3 monitors, in fact, it will support up to 4 monitors since it has a rating of 4 Amps and the total power consumption is 3 Amps ($750\text{mA} \times 4 = 3\text{A}$).

Please note:

It is always recommended that the output of the central power supply be greater than the power consumption of the monitors.

If total consumption of all the monitors equal 3 Amps, then select a power supply that provides 4 Amps and up.

If the power supply has dual voltage option, 12V DC or 24V DC, please make sure the 24V DC is selected.



- Connect 2 wires from each monitor to the central power supply (18AWG or thicker)
- Connect 2 wires between each monitor (CAT 5 to 18AWG)

Note: Information provided is for illustration purpose. Installation should be performed by certified electrician / contractors. All work should comply with city and federal regulations.

*** Warranty is VOID when Cyrex products are integrated with 3rd party hardware/software**