How to configure CM705B Universal Expander

Without extensions, the Bosch 6000 panel has 8 built in zones. These zones can be doubled/split into a total of 16 onboard zones.

The CM705B panel adds an additional 8 built in zones. Similarly, these zones can be doubled/split into a total of 16 additional onboard zones.

If the CM705B is being used in a single EOL (or no EOL) configuration, then it will only provide 8 additional zones. In this case, an additional module (CM707B) can be attached to the CM705B, increasing the module's built in zones from 8 to 16.

Up to 8 total CM705B modules can be connected to one 6000 panel, each adding up to 16 new zones. These 128 extra zones plus the 16 built in with the 6000 panel give us our 144 total maximum zones. If multiple expander modules are connected, they must each have a unique dipswitch address.

Note 1: If the CM705B is in double/split EOL mode, the CM707B module will not work.

Note 2: The CM707B cannot be connected directly to the 6000 panel - it must be connected to a CM705B.

CM705B:
8 Single EOL Zones OR
16 Double/Split EOL Zones

CM705B & CM707B:
16 Single EOL Zones
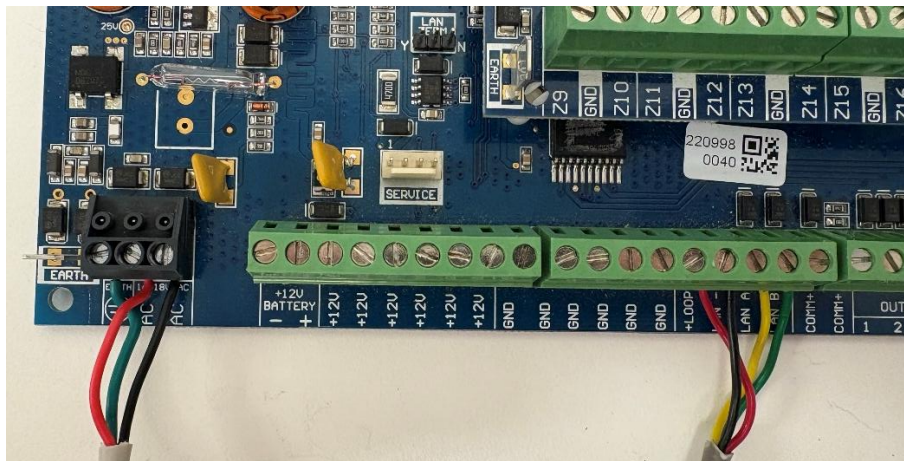(No double EOL)

Wire up the CM705B module

Ensure both the 6000 panel and the CM705B module are disconnected (no PSU or battery).

Using an 18V 1.33A AC power supply (the same kind the 6000 panel takes), connect the green (ground) wire to the ground terminal. Connect the red and black (live) wires to the AC terminals.

Using a 4-core cable, connect the LAN +, -, A and B from the CM705B to the same terminals on the 6000 panel.

If also using a CM707B, connect it to the expansion port of the CM705B now.

Optionally connect a backup battery to the +12V battery terminal.

Configure the new zones

Give power to both panels. When the 6000 panel starts up, it should do a LAN scan, finding the CM705B module (and the CM707B if there is one). There are no configurations required for this scan. If the module was not found, take another look at the wiring, as it is likely the cause of the issue.

If the module was successfully found, we can now configure the zones.

Enter the Installer code (default is 1234) then MENU to enter the installer menu.

Press 3 (*Inputs*), 1 (*Zone Properties*) then 1 (*Zone Type*).

Select one of the new zones (i.e. Zone 17+). The zone by default is on mode 00 – Not Used. Select a suitable zone type (i.e. 03 – Burglary Instant). Repeat for the other new zones.

Once you leave the installer menu, the panel will configure the new setting. The number of total zones has been expanded. The rest of the zone settings will now be configurable in the same manner as the original zones on the 6000 panel.