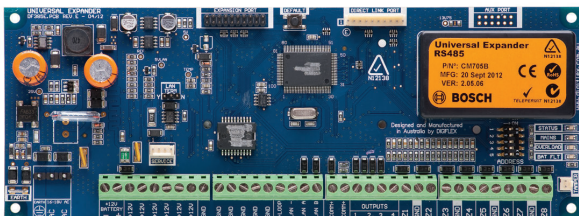


CM705PB Universal LAN Zone Expander Module

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BOSCH
Invented for life



- ▶ High security module with anti-substitution protection and resettable fuse protection on power out terminals
- ▶ Supports Single, Alarm+Tamper and Split EOL, with up to 15 different EOL Resistor options
- ▶ 6 Power Out terminals simplify wiring; outputs are overload and short circuit proof
- ▶ Service Code Pad connection point
- ▶ LAN Termination Shunt and status indicators included

The CM705B Universal Expander provides a cost effective way to increase the control panel's zone inputs, programmable outputs and power supply capacity using a single expander module. This module is extremely useful when the system is comprised of multiple areas, as an expander can be located in each area, providing power, siren and strobe outputs and up to 16 zone inputs.

Functions

The Universal Expander is available in a metal cabinet (CM705B) or as a PCB module only (CM705PB) depending on your requirements. The module connects to the control panel via the 4-wire encrypted RS485 LAN, and must be assigned a unique address on the LAN via the address DIP switch. Dedicated service code pad and tamper inputs are provided. If the tamper input is not required, then it can be disabled by fitting the supplied shunt to the tamper input. The optional CM707B plug on module can be added via the expansion port on the CM705B Universal Expander to provide an additional 8 hard wired zone inputs, bringing the CM705B Universal

Expander to 16 hard wired zone inputs for Alarm + Tamper, 4 state monitoring or single EOL configurations.

Certifications and approvals

C-tick Supplier Code:	N12138
CE:	EN 55022:2010, EN 60950-1:2001
Telepermit:	PTC 211/12/017

Technical specifications

Power Requirements

Operating Voltage:	10.0V DC – 14.5V Dc @ 90mA Max
Voltage Input (Primary Source):	16-18V AC 50-60Hz – 24VA External Power Adaptor or 220-240V AC to 18V AC 50-60Hz – 24VA Internal Transformer

Stand-By – Battery (Secondary Source):	12V DC, 7.2AH sealed rechargeable battery Panasonic LC-P127R2P or equivalent
Connections	
Module Connection (RS485 LAN):	Max total LAN length using multi strand security cable = 300m; Max total LAN length using 2 pair twisted shielded data cable (Belden 8723) = 1200m. See manual for complete wiring instructions.
Programmable Outputs:	4 protected open-collector outputs capable of providing a maximum of 500mA (-) each. Outputs are monitored for short and open circuit and can monitor the state of horn speakers and other connected devices.
Power Output Terminals:	COMM+ - 2.5A high current output for use with onboard outputs, PTC fuse protected. +12V -1A outputs for use with detectors or powering other modules, PTC fuse protected.

Environmental Considerations

Temperature:	-30° to 55°C Operating
Humidity:	5% to 85% at 30°C non-condensing

PCB

Fixing Method:	The CM705B can be mounted in the MW700, MW710, Mw720 or MW730 enclosures using clip-in PCB mounts supplied
PWA Dimensions:	235(W) x 85(D) x 40(H)mm
Warranty:	3 years

Ordering information

CM705PB Universal Expander Module PCB Only
Order number **CM705PB**

CM707B Plug On Zone Expander
Order number **CM707B**

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