



DACMv5

ANTUMBRA AND REVOLUTION COMMUNICATION MODULE

Technical installation and product information

overview

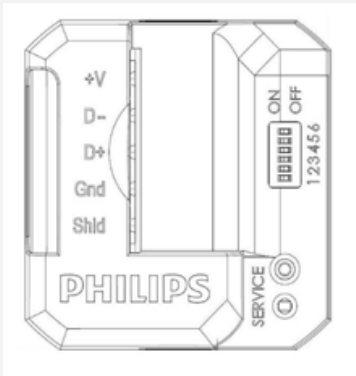
The DACMv5 is the DyNet communication and processing module used behind compatible Philips Dynalite Antumbra and Revolution user interfaces. It provides the network connection, stores the programmed panel logic and allows the application module to control lighting, scenes and other system functions.

- Powered directly from the 12/24 V DC DyNet network.
- Compatible with AntumbraButton, AntumbraTouch, AntumbraDisplay and Revolution modules.
- Can be wired, commissioned and tested before the final application module or fascia is fitted.
- Six-position binary selector supports up to 21 selectable configurations.

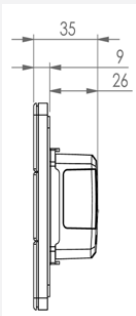
Current product identification

Model	DACMv5 / DACM-DyNet
Philips 12NC	913703072809
Supply	12/24 V DC from DyNet
Protocol	RS-485 DyNet
Dimensions	45 x 43 x 24 mm

installation and mounting



Front: 45 mm high x 43 mm wide



Depth: 24 mm

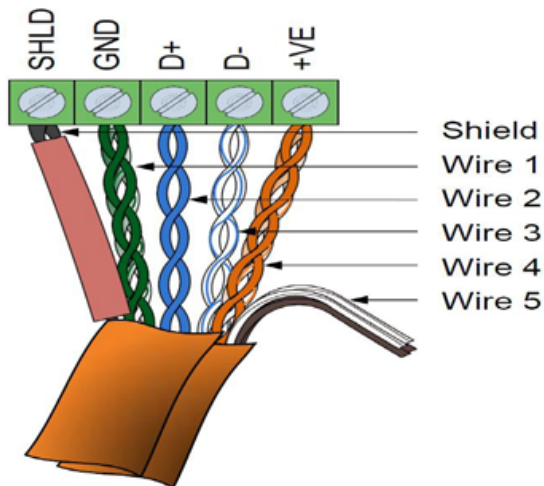
Mounting requirements

- Use only with an approved compatible Philips Dynalite application module.
- Select the wall box or wall cavity for the complete assembled panel depth, including the DACMv5, application module, plug and cable bend radius.
- When recessing the communication module directly into a wall opening, the legacy Philips guidance allows a maximum opening of 45 x 47 mm. Confirm the mounting method against the application module instructions and project details.
- Keep the panel clear of sources of electrical noise and maintain the required segregation between DyNet and mains wiring.
- Do not fit the decorative fascia until network communication and all panel functions have been tested.



Low voltage only. Do not connect mains or DALI wiring to the DACMv5. Isolate the DyNet supply before terminating cable or connecting/separating the communication and application modules.

DyNet connection



Philips Dynalite DACM terminal illustration

Screened DyNet cable

- Use screened RS-485 / DyNet cable. UTP Cat5/6 is not recommended for DACM-equipped capacitive interfaces because proximity sensing can become unreliable.
- Daisy-chain the network. Keep D+ and D- as a continuous data path and do not form a ring.
- Sleeve the drain wire and terminate it at SHLD. Preserve screen continuity through the panel.
- Keep screened DyNet cable at least 50 mm from mains, or the separation required by local wiring rules - whichever is greater. Cross mains at 90 degrees.

terminal and cable reference

SHLD	Drain / screen	Sleeve the bare drain wire; maintain screen continuity
GND	Green + green/white	Parallel pair for network ground
D+	Blue	RS-485 data positive
D-	Blue/white	RS-485 data negative
+V	Orange + orange/white	Parallel pair for 12/24 V DC network supply
Spare	Brown + brown/white	Isolate unless used under the project cable-repair design

installation sequence

- 1 Confirm the parts. Verify the application module, mounting format, button layout and required programmed configuration.
- 2 Isolate DyNet power. Do not cut, terminate or separate modules on an energised network.
- 3 Prepare the screened cable. Keep the pairs twisted, sleeve the drain and expose only the conductor length required by the terminal.
- 4 Terminate the module. Connect SHLD, GND, D+, D- and +V exactly as marked. Check for exposed copper and secure terminal seating.
- 5 Set and test. Match the DIP selector to the project schedule, restore power and verify network communication and every programmed function.
- 6 Document the installation. Record the serial number, address, application module, DIP setting and test result before fitting the final fascia.

technical specifications

Supply	12/24 V DC, SELV / Class 2, from DyNet
Current draw	Application-module dependent; include in the DyNet power budget
Serial port	1 x 5-way pluggable terminal: +V, D-, D+, GND, SHLD
Optional connection	Dual RJ12 adaptor available for approved flat-cable installations

Operating	-5°C to 50°C ambient
Humidity	Up to 95% RH, non-condensing
Storage / transport	-25°C to 70°C ambient
Configuration	Six-bit selector; up to 21 selectable configurations