

# PLUG-IN FILTER FM10



**Plug-In Filter to filter noise from TVs, photo copiers, motors, power appliances, etc. To prevent absorption of Marmitek X-10 PLC (Power Line Carrier) signals by appliances that reduce these PLC signals.**

**APPLICATION:**

Transmission of high-frequency signals via the mains, like the Marmitek X-10 signals, can be influenced by equipment plugged into the mains electricity system. Some appliances reduce the amplitude of the modulated signal or can negatively influence the impedance of the mains.

By using active filtering in Marmitek X-10 modules this problem can be prevented in small-scale home installations.

Certain appliances with badly dimensioned switching power supplies can however influence the system (e.g. TVs).

In buildings where distances are bigger, this problem can occur quite easily, mainly because of the large number of machines (such as photo copiers, printers, etc.).

For these situations the FM10 Plug-In Filter is the ideal solution: just place the filter between the equipment and the wall socket to make sure the appliance does not influence the performance of the PLC system.

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Power:	230V +/-15%, 50Hz
Maximum load:	16A
Attenuation at 120kHz:	14dB
Impedance:	7 <sub>Ω</sub>
Operating temperature:	-10°C to 40°C
Dimensions:	52x122x33mm

<b>Available types:</b>	Art. Nr. 09055 (G)
	Art. Nr. 09159 (F)
	Art. Nr. 09286 (U)
	Art. Nr. 09627 (I)
	Art. Nr. 09628 (CH)

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