

CAT 3000 ACTIVE REPEATER

The Marmitek CAT3000 repeats X-10 power line carrier transmission signals on all three phases of a 230V/400V 50Hz system. The CAT3000 receives all X-10 signals on one of the three phases and then copies and repeats them on the other two. The signal will also be amplified and resent back on the original phase.



Features

- Repeats signals from both MicroModules and regular Marmitek X-10 transmitters
- Pre-installed in IP54 plastic cabinet, designed to install in the main distribution box
- Status LEDs on cover
- Can also be used as signal repeater in a one-phase installation
- Calculates signals on second and third phases from the one-phase compatible signals of MicroModules
- Repeats the three-phase compatible signals of regular Marmitek X-10 transmitters
- Two way
- Fuse protected

Applications

- Use Marmitek MicroModules in a three-phase installation
- Signal amplification of X-10 signals on all three phases

LED Display

POWER	POWER	CAT3000 is active
GEREED	READY	Ready for receiving data
ONTVANGEN	RECEIVE	Receiving data
VERZENDEN	TRANSMIT	Transmitting data
FOUT	ERROR	Error in data

Installation

Wiring:	Brown	L1	Phase 1 + Power (should always be connected to 230V)
	Black	L2	Phase 2
	Black	L3	Phase 3
	Blue	N	Neutral
	Yellow/Green	Earth	Earth Connection (not connected inside the repeater)

The CAT3000 should be installed behind a fuse (e.g. 16A). Normally, the best location to install the CAT3000 is behind a three-phase master switch of a 400V power group (e.g. cooking or heating group). When earth leakage switches are installed, the CAT3000 should be installed before the earth leakage switches; this prevents the unwanted triggering of the earth leakage switches. When you use a three-phase earth leakage switch with one neutral connection, you will be able to connect the CAT3000 behind it.

Note: Installation position may vary upon local regulations

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Supply voltage	230 VAC (+/- 10%)
Frequency	50 Hz
Fuses (non field replaceable)	Phase A: 5x15mm, 750mA, 350V, time lag Phase B: 5x15mm, 750mA, 350V, time lag Phase C: 5x15mm, 750mA, 350V, time lag
Signal input	25 mV minimum
Signal output	5Vpp @ 5 Ohms
Connections	1m, VMVK 2,5mm ² , flying lead
Cabinet	Plastic with transparent cover, IP54
Dimensions Cabinet	170 x 135 x 80 mm (LxWxH)
Weight	1250 grams

ENVIRONMENTAL PARAMETERS:

Operation Temperature range	0° to 49° C
Storage Temperature range	-20° to 85° C
Humidity range	10 to 95% non-condensing

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