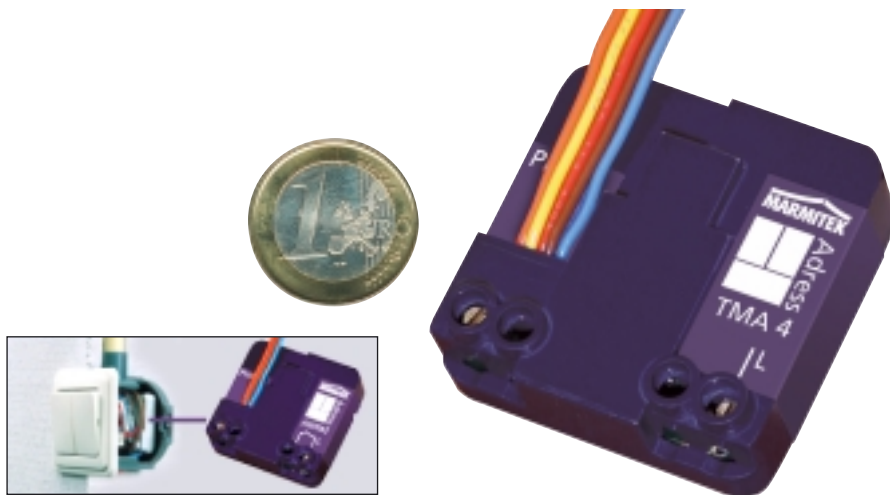# TMA4 MICROMODULE

COMPATIBLE WITH:
- ACT A-10
- Aritech CS 575/275/175 series X-10 power line carrier control
- Busch Jaeger Timac
- Busch Jaeger Netzbus
- Honeywell TotalHome
- Marmitek X-10
- Visonic PowerMax X-10 power line carrier control
- X-10
- X-10 PowerHouse

The TMA4 MicroModule is an extremely small Marmitek X10 Transmitter for four addresses and the commands ON and OFF. The TMA4 accepts up to four maintained switches by wire leads and transmits up to four sequential X-10 power line carrier ON/OFF addresses. MicroModules use two-way X-10 communication.

Marmitek MicroModules are designed to fit in the rear of European junction boxes, behind any installed switch or outlet.

Features:
- Extremely small size (46x46mm and only 16 mm thick)
- Two-way X-10 communication
- Transmits ON when contacts are closed, transmits OFF when contacts are opened
- HouseCode, UnitCode and settings can be simply programmed with every X-10 compatible controller (e.g. Marmitek 8in1 in combination with TM13 transceiver)
- Improved S/N ratio for reliable X-10 communication
- Power/Status/Configuration LED

Applications
- Remote ON/OFF control of electrical loads
- Combine your Marmitek X-10 system with sensors, alarm outputs, etc. by hooking up to NO (normally open, open=OFF, close=ON) output contacts
- Provides power line carrier control to existing light switches
- Transforms conventional switches into an X-10 transmitter
- Full control of all your X-10 modules by conventional switches
- Choose your own brand, design and colour for switches and wall sockets
- Place X-10 modules out of sight
- Ideal for installation into limited areas
- Use a conventional switch on a fixed location to execute Macro's

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TMA4 MICROMODULE

Power

Supply Voltage	230VAC, +10%/-15%
Frequency	50Hz
Supply current	Less than 50 mA

Signal

Signal input	X-10 PowerLine Carrier, sensitive to 50mV
Signal output	X-10 PowerLine Carrier, 5Vpp @ 5 Ohms
Three phase use	The TMA4 transmits signals for use one phase only. Use the CAT3000 repeater (Art.No. 09304) to enable you to receive TMA4 commands on other phases. The TMA4 receives commands from standard Marmitek X10 transmitters on different phases.

Two wall switch inputs (dry contact). Five 120mm, 0,33mm^2 Flying leads:

Switch input 1: Brown
Switch input 2: Red
Switch input 3: Orange
Switch input 4: Yellow
Switch common: Blue

Programming

Can be programmed by every Marmitek X-10 compatible controller.
Can also be programmed by special Marmitek PRU256 programmer/X10 logger (Art.No. 09303).

Mechanical requirements

Power

Screw terminals (2x)	L – Will handle up to 2,5mm^2 solid copper wire
	N – Will handle up to 2,5mm^2 solid copper wire

Enclosure

Dimensions	46 x 46 x 16 mm
Weight	26 grams
Mounting	Sized for mounting of 75 x 75 x 50mm European round electrical junction box, or other limited areas

Environmental parameters

Operating Temperature Range	0 to +40˚ C
Storage Temperature Range	-20 to +70˚ C
Humidity Range	10 to 95% non condensing

Approvals

NEN-EN-IEC 60669-2-1, NEN-EN-IEC 60669-2-2, CE

Specifications may change without notice to improve product performance

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