

# TMD4 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 TMD4 MicroModule is an extremely small Marmitek X-10 Transmitter for four addresses and the commands DIM/BRIGHT and ON/OFF. The TMD4 accepts up to four momentary switches by wire leads, and transmits up to four sequential X-10 power line carrier DIM/BRIGHT and 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 16mm thick)
- Two-way X-10 communication
- Ability to change internal ON/OFF state by global commands such as ALL LIGHTS ON and ALL UNITS OFF allowing the TMD4 to stay synchronised with receivers (addresses) to which it is configured
- 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 and DIM/BRIGHT control of lighting
- Provides power line carrier control to existing light switches
- Transforms conventional switches into an X-10 transmitter
- Full control of all your X-10 LAMP 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
- Install two-way switches without any additional wiring between switches (Marmitek MicroModules transmit their status to other MicroModules through the power line)

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**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 TMD4 transmits signals for use on one phase only. Use the CAT3000 repeater (Art.No. 09304) to enable you to receive TMD4 commands on other phases. The TMD4 receives commands from standard Marmitek X-10 transmitters on different phases.

Four wall switch inputs (dry contact): Five 120mm, 0,33mm<sup>2</sup> 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 any Marmitek X-10 compatible controller  
Can also be programmed by special Marmitek PRU256 programmer/X-10 logger (Art.No. 09303)

**Mechanical requirements****Power**

Screw terminals (2x)	L – Will handle up to 2,5mm <sup>2</sup> solid copper wire N – Will handle up to 2,5mm <sup>2</sup> solid copper wire
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**Enclosure**

Dimensions	46 x 46 x 16 mm
Weight	26 grams
Mounting	Sized for mounting of 75x75x50mm 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