



# XM-17M-VD24 relay - Voltage monitoring,Datasheet1 C/O, 16 A



# Description

When the voltage increases or decreases the relay will switch, depending of the set Umin and Umax. As well Umin as Umax can be monitored independently from each other.

A adjustable time delay can be set between 0 and 10 seconds to eliminate short voltage drops or peaks. The 3-state LED will give a indication depending of the status of the relay, normal state and 2 fault states.

## Application

Monitoring voltage level in battery circuits 12 or 24 VDC. Serves to control supply voltage for appliances sensitive to supply tolerance, protection of the device against under- and overvoltages.

#### Features

- Measuring range 6...30 VDC
- Monitored voltage serves also as supply voltage
- 1 C/O contact 16 A / AC 1
- Umax and Umin can be monitored separately
- Adjustable time delay 0...10 s
- Inbuilt diode for suppressing peaks
- 35 mm rail mounting
- Output status by LED indicator
- Modular housing, 1 module

#### Benefits

- Rated current 16 A / AC1
- Long term availability
- 17.6 mm wide
- No maintenance

#### Industry compliancy

All our relays and accessories are designed according to regulations:

- EN 60255-6
- EN 61010-1
- CE

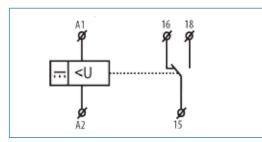


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# XM-17M-VD24 relay Technical specifications

# **Connection diagram**



### Time range

Time ranges	Adjustable 010 s	
Time setting	Potentiometer	
Setting accuracy	5 %	
Repeat accuracy	< 1 %	

# Output

Number of contacts	1x change-over contact / SPDT (AgNi/Silver alloy)	
Rated current	16 A / AC1	
Breaking capacity	4000 VA / AC1, 384 W / DC	
Inrush current	30 A / < 3 s	
Switching voltage	250 VAC1 / 24 VDC	
Min. breaking capacity DC	500 mW	
Output indication	Red / green LED	
Mechanical life	$30 \times 10^6$ operations	
Electrical life (AC1)	$7 \times 10^4$ operations	

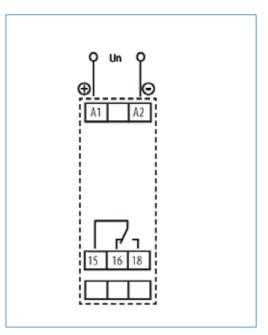
# Supply and measuring

Supply measuring terminals	A1 - A2
Supply / measuring voltage	630 VDC
Burden	Max. 1.2 VA
Upper level (U <sub>max</sub> )	1830 VDC
Bottom level (Umin)	30 - 95 % U <sub>max</sub>
Max. permanent	36 VAC
Peak overload	50 VAC



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#### Connection



# **Environmental conditions**

Operating temperature	-20 °C +55 °C
Storage temperature	-30 °C +70 °C
Electrical strength	4 kV (supply - output)
Operating position	Any
Mounting	35 mm rail EN 60715
Protection degree	IP40 front panel
Overvoltage category	III
Pollution degree	2
Max. cable size	Solid wire max.1 x 2.5 mm <sup>2</sup> or 2 x 1.5 mm <sup>2</sup>
	/ with sleeve max. 1 x $2.5 \text{ mm}^2$

# Mechanical data

Dimensions (d x w x h)	90 x 17.6 x 64 mm
Weight	73 g

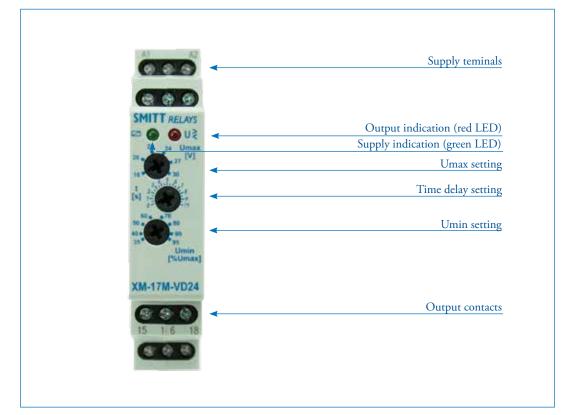


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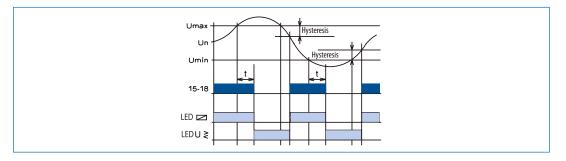


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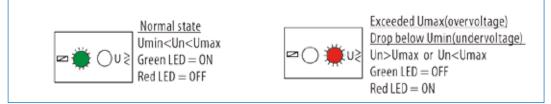
### Description



# **Functions**



# LED indication





# XM-17M-VD24 relay Odering codes

Art. no.	Туре	Function	Contacts	Voltage range
326001027	XM-17M-IA25U	AC 1-phase current monitoring	1 C/O	230 VAC 50/60 Hz
326002003	XM-17M-M400L	AC 3-phase voltage monitoring	1 C/O	3x 400 VAC 50 Hz
326002004	XM-17M-M400LN	AC 3-phase + N voltage monitoring	1 C/O	3x 400 VAC / 230 VAC 50 Hz
326002000	XM-17M-VA230	AC 1-phase voltage monitoring	1 C/O	48-276 VAC 50 Hz
326002002	XM-17M-2XVA230	AC 1-phase voltage monitoring	2x 1 C/O	48-276 VAC 50 Hz
326002011	XM-17M-VA400LN	AC 3-phase + N voltage monitoring	1 C/O	3x 400 VAC / 230 VAC 50 Hz
326002001	XM-17M-VD24	DC 1-phase voltage monitoring	1 C/O	6-30 VDC
326002006	XM-52M-M400L	AC 3-phase complete monitoring	2 C/O	230 VAC / 400 VAC 50/60 Hz
326002007	XM-52M-M400LN	AC 3-phase + N voltage monitoring	2 C/O	230 VAC / 400 VAC 50/60 Hz
326002005	XM-52M-VA500	AC/DC 1-phase voltage monitoring	2 C/O	10-500 VAC/DC 50 Hz



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Mors Smitt France SAS Tour Rosny 2, Avenue du Général de Gaulle, F - 93118 Rosny-sous-Bois Cedex, FRANCE T +33 (0)1 4812 1440, F +33 (0)1 4855 9001 E sales@msrelais.com

Mors Smitt Asia Ltd. # 807, Billion Trade Centre, 31 Hung To Road Kwun Tong, Kowloon, HONG KONG SAR T +852 2343 5555, F +852 2343 6555 E info@morssmitt.hk

Mors Smitt B.V. Vrieslantlaan 6, 3526 AA Utrecht, NETHERLANDS T +31 (0)30 288 1311, F +31 (0)30 289 8816 E sales.msbv@wabtec.com

Mors Smitt Technologies Inc. 1010 Johnson Drive, Buffalo Grove, IL 60089-6918, USA T +1 847 777 6497, F +1 847 520 2222 E salesmst@wabtec.com

Mors Smitt UK Ltd. Doulton Road, Cradley Heath West Midlands, B64 5QB, UK T +44 (0)1384 567 755, F +44 (0)1384 567 710 E sales.msuk@wabtec.com



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