
 TI5161en	Technical Information	
MRW2- Series (M)	Room Motion Switch with ON/OFF output	

The MRW2- Series (M) is designed for motion detection in room and spaces

The motion sensors are available as wall mounted or flush mounted

Sensor based on Passive Infrared (PIR) Technology

The sensor works with low power supply

The sensor output is ON-OFF

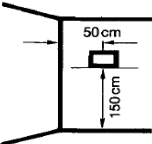
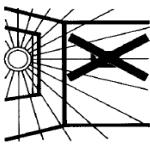

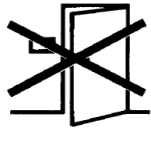
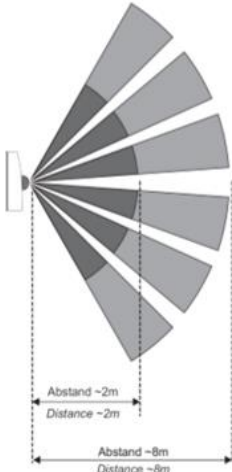

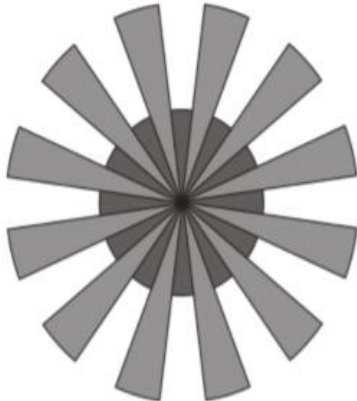
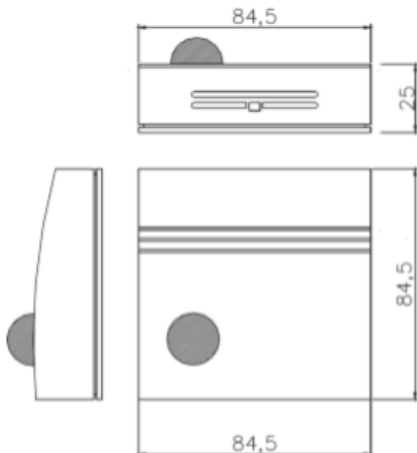
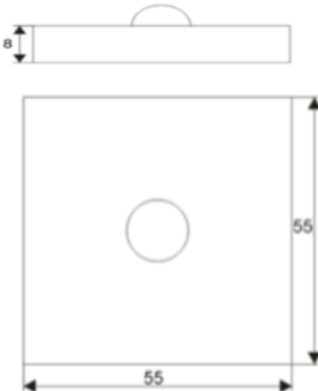
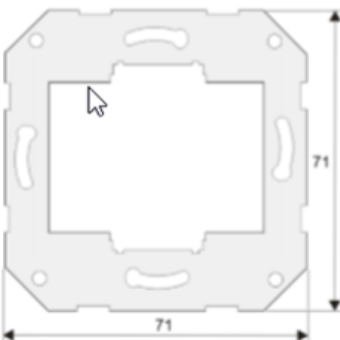


Use	Compatible with all common HVAC DDC and Analog Controls systems, with/without Building Automation Systems
	Motion detection in Buildings and Spaces
	Used in all common HVAC applications
	Used in Commercial and Industrial Buildings

Feature	Motion switch with passive output
	Wall or flush mounted
	High precision and reliability
	Passive Infrared (PIR) sensing element
	Professional and practical product design
	Easy to use, install and maintain

Product Range								
Model	Power Supply	Output	Sensor Characteristics	Mounting	Detection Specification	Detection Range	Detection Delay	Protection
MRW2.AA	AC/DC 24V (±10%)	24V 1A (resistive), Normally Open (NO)	Passive, 4-segment PIR	Wall mounting	max. 8m / horizontal detection angle 110° / Vertical detection angle 93°	max. 8m	~8 seconds	IP30
MRW2.BA				Flush mounting				

Sensor Specifications	Sensor Specification	Measured	Motion detection
		Sensor Characteristics	Passive, 4-segment PIR
		Sensor Output (s)	N-O Relay, max. 24V DC / 1A
		Switch OFF delay	8 sec.
		Detection Range (s)	max. 8m
Technical Information	Electrical Information	Power Supply	AC/DC 24V (±10%)
		Frequency	50/60 Hz at AC 24V
		Terminal Clamp	Screw terminal, max. 1.5mm ²
		Power Consumption	AC24V 1.1VA / DC24 0.5W
	Mechanical Information	Cable Entry	backside of the sensor
		Sensing Element Position	Inside lens
	User Interface		n.a.
	Color and Materials	Housing Cover	ABS, RAL 9010 (Pure white)
		Housing Bottom	ABS, RAL 9010 (Pure white)
	Environmental Conditions	Operation Temperature	-20...+50°C
		Operation Humidity	<85% r.h., no condensation
		Transport Temperature	-35...+70°C
		Transport Humidity	<90% r.h.
	Norms and Directives	Storage Temperature	-20...+70°C
		Storage Humidity	< 85% r.h., no condensation
		Protection Rating	IP30 to IEC60529
		Safety Class	III to EN 60730
		Product Standard 1	Automatic Electrical Controls for household and similar use
		Product Standard 2	2009/EN 60 730-1
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference
		CE Electromagnetic Compatibility Interference resistance	2000/EN60730-1 Interference Resistance
		RoHS Compatibility	RoHS 2011/65/EC
		Operation Climatic Condition	IEC60721-3-3
		Operation Mechanical Condition	IEC60721-3-3
		Transport Climatic Condition	IEC60721-3-2
		Transport Mechanical Condition	IEC60721-3-2
		Storage Climatic Condition	IEC60 721-3-1
		Storage Mechanical Condition	IEC60 721-3-1
Miscellanies	Accessories	Accessory not included in delivery	N/A
	Shipping & Handling	Minimum Order	1 box with 1 piece
	Order Notes	Package Material	Rigid Cardboards
		Order Code	See Product Range, Page 1, e.g. MRW2.AA

Advices	<div>Installation Notes</div> <div><div><div><div></div><div>Caution</div></div></div><div>Observe the following general regulation for engineering and implementation:</div><div><div>All relevant national and heavy power regulations</div><div>Other country specific regulations</div><div>Country-specific regulations</div><div>Local electrical supply authority regulations</div><div>Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge</div><div>Third party specifications, e.g. general contractors or constructors</div></div></div>																						
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<div>Disposal Notes</div> <div><div><div><div></div><div></div></div></div><div><div>The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU</div><div>The device may not be disposed as domestic garbage</div><div>The device must be disposed through channels provided for this purpose</div><div>It is mandatory to complying with local currently applying laws and regulations</div></div></div>																							
Range	<div><div>MRW2.AA</div><div></div></div> <div><div>MRW2.BA</div><div></div><div></div></div>																						
Connection	<div><table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>n.a.</td><td>n.a.</td><td>GND</td><td>n.a.</td><td>UB+ (AC/DC 24V)</td><td>N-O Relay 1</td><td>N-O Relay 1</td></tr></table><div>MRW2.AA</div></div> <div><table><tr><td>DO1</td><td>DO2</td><td>GND</td><td>AC/DC 24V</td></tr><tr><td>N-O Relay 1</td><td>N-O Relay 1</td><td>Ground</td><td>UB+ (AC/DC 24V)</td></tr></table><div>MRW2.BA</div></div>	1	2	3	4	5	6	7	n.a.	n.a.	GND	n.a.	UB+ (AC/DC 24V)	N-O Relay 1	N-O Relay 1	DO1	DO2	GND	AC/DC 24V	N-O Relay 1	N-O Relay 1	Ground	UB+ (AC/DC 24V)
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Dimensional Drawing	<div><div></div><div></div><div></div><div><div>MRW2.AA</div><div>MRW2.BA</div><div>MRW2.BA</div></div></div>																						