270 45

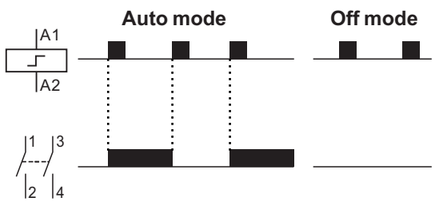
MIR-16

The impulse relay is used for switching of lighting and electric heating devices with very low power consumption. It switches between two stable positions when the control circuit is triggered by an impulse from controlling pushbuttons. Each impulse energies the circuit to reverse the position of relay pole.

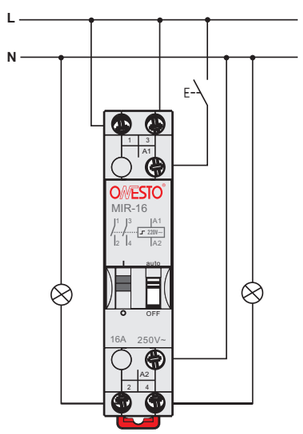
Features

- Impulse or manual control from different locations.
- Front handle provides direct manual operation.
- Remote or local control is selectable by Auto and Off switch.
- Contact status is visible through position of front handle.
- Vertical or horizontal mounting on 35mm Din Rail.
- Low power consumption for energy saving.

Function Diagram



Typical Connection



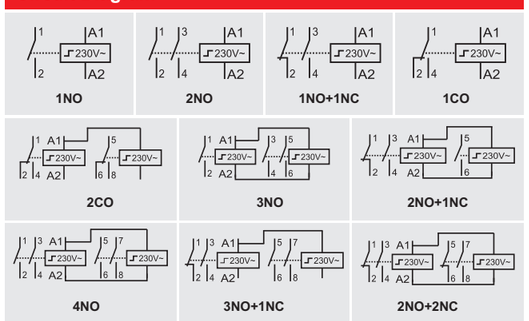
CERTIFICATIONS OBTAINED

CE CB

Technical data

Type	MIR-16
Main circuit	
Supply voltage	250V AC
Frequency	50/60Hz
Control circuit	
Supply voltage tolerance	85% to 110%
Power consumption	19VA
Duration of impulse time	≥50ms
Max. number of impulse per hour	300
Output circuit	
Max. operation voltage	250V AC
Max. Operation current	16A
Mechanical lifetime	1×10^5
Electrical lifetime	1×10^5
Types of load (230V AC)	
Incandescent	1600W (Max)
Low voltage halogen	1600W (Max)
Fluorescent lamp with electronic ballast	1550W (Max)
Compact fluorescent lamp with external ballast	1450W (Max)
Electric heating device	3.6kW (Max)
General data	
Rated insulation voltage	440V AC
Rated impulse withstand voltage	6kV
Operation Temperature	-20 to 55℃
Storage Temperature	-40 to 70℃
Relative humidity	≤90% RH
Maximum pollution degree	3
Overvoltage category	IV
Max.diameter of inlet wire	$4mm^2$
Tightening torque	1Nm
Mounting position	Vertical / Horizontal
Mounting	TH35 DIN rail mounting (35x7.5mm)
Degree of protection	Enclosure : IP40 Terminal : IP20
Dimension (H x W x D)	86x18x71mm
Standard	IEC/EN 60669-2-2

Circuit Diagram



270 60

270 55

270 85

270 80

MIR-16 1 Module

Type	Cat.nos.	Rated Current	Control Voltage		Contacts	Module	Carton Qty
			AC	DC			
MIR-1610	270 41	16A	12V	6V	1NO	1	120
MIR-1610	270 42	16A	24V	12V	1NO	1	120
MIR-1610	270 43	16A	48V	24V	1NO	1	120
MIR-1610	270 44	16A	130V	48V	1NO	1	120
MIR-1610	270 45	16A	230V	110V	1NO	1	120
MIR-1611	270 46	16A	12V	6V	1NO+1NC	1	120
MIR-1611	270 47	16A	24V	12V	1NO+1NC	1	120
MIR-1611	270 48	16A	48V	24V	1NO+1NC	1	120
MIR-1611	270 49	16A	130V	48V	1NO+1NC	1	120
MIR-1611	270 50	16A	230V	110V	1NO+1NC	1	120
MIR-1620	270 51	16A	12V	6V	2NO	1	120
MIR-1620	270 52	16A	24V	12V	2NO	1	120
MIR-1620	270 53	16A	48V	24V	2NO	1	120
MIR-1620	270 54	16A	130V	48V	2NO	1	120
MIR-1620	270 55	16A	230V	110V	2NO	1	120
MIR-161C	270 56	16A	12V	6V	1CO	1	120
MIR-161C	270 57	16A	24V	12V	1CO	1	120
MIR-161C	270 58	16A	48V	24V	1CO	1	120
MIR-161C	270 59	16A	130V	48V	1CO	1	120
MIR-161C	270 60	16A	230V	110V	1CO	1	120

MIR-16 2 Module

Type	Cat.nos.	Rated Current	Control Voltage		Contacts	Module	Carton Qty
			AC	DC			
MIR-1630	270 61	16A	12V	6V	3NO	2	60
MIR-1630	270 62	16A	24V	12V	3NO	2	60
MIR-1630	270 63	16A	48V	24V	3NO	2	60
MIR-1630	270 64	16A	130V	48V	3NO	2	60
MIR-1630	270 65	16A	230V	110V	3NO	2	60
MIR-1621	270 66	16A	12V	6V	2NO+1NC	2	60
MIR-1621	270 67	16A	24V	12V	2NO+1NC	2	60
MIR-1621	270 68	16A	48V	24V	2NO+1NC	2	60
MIR-1621	270 69	16A	130V	48V	2NO+1NC	2	60
MIR-1621	270 70	16A	230V	110V	2NO+1NC	2	60
MIR-1640	270 71	16A	12V	6V	4NO	2	60
MIR-1640	270 72	16A	24V	12V	4NO	2	60
MIR-1640	270 73	16A	48V	24V	4NO	2	60
MIR-1640	270 74	16A	130V	48V	4NO	2	60
MIR-1640	270 75	16A	230V	110V	4NO	2	60
MIR-1631	270 76	16A	12V	6V	3NO+1NC	2	60
MIR-1631	270 77	16A	24V	12V	3NO+1NC	2	60
MIR-1631	270 78	16A	48V	24V	3NO+1NC	2	60
MIR-1631	270 79	16A	130V	48V	3NO+1NC	2	60
MIR-1631	270 80	16A	230V	110V	3NO+1NC	2	60
MIR-1622	270 81	16A	12V	6V	2NO+2NC	2	60
MIR-1622	270 82	16A	24V	12V	2NO+2NC	2	60
MIR-1622	270 83	16A	48V	24V	2NO+2NC	2	60
MIR-1622	270 84	16A	130V	48V	2NO+2NC	2	60
MIR-1622	270 85	16A	230V	110V	2NO+2NC	2	60
MIR-162C	270 86	16A	12V	6V	2CO	2	60
MIR-162C	270 87	16A	24V	12V	2CO	2	60
MIR-162C	270 88	16A	48V	24V	2CO	2	60
MIR-162C	270 89	16A	130V	48V	2CO	2	60
MIR-162C	270 90	16A	230V	110V	2CO	2	60