



## Key Features

- Easy Installation
- Range of Control operation 200mA 250V AC
- Modbus as input for control
- 8 outputs channels

## Introduction

The Relay expansion unit is an 8 channel Solid State Relay Module (Low Level Trigger) can control upto 200mA at 250VAC. The Solid State Relay (SSR) is similar to mechanical relay, where it can be controlled through digital signal. SSR generates no noise and has much longer lifespan in comparison to traditional Mechanical Relay.

## Specifications

Technical Specifications			
General data		Relay Contact Data	
Values		Values	
Number of Channels	8	Contact Material	Ag-Alloy
Relay protection	Freewheeling diode	Rated Load	200mA @250VAC, 200mA @24VDC
Ambient operating Temperature	0 to 50 °C	Max Switching Voltage	440VAC, 300VDC
Housing Material	PVC/V0 grade, phoenix contact	Contact Resistance	100mΩ max
RoHS Compliant	RoHS approved items	Operating Time	15ms max.
<b>Coil Data</b>		Release time	5ms max
Rated Coil Voltage	12V DC	Insulation Resistance	1000MΩ min.
Coil Resistance (Ohms)	760	Dielectric strength	5000VAC, 50/60 Hz for 1min.
Rated Coil Current(mA)	30	Maximum Mechanical operating frequency	18000 operations/hr
Must Operate Voltage	70% max of rated Voltage	Maximum Electrical operating frequency	18000 operations (under rated Voltage)
Must Release Voltage	10% min of rated Voltage	Mechanical Life expectancy	2000000 operations min for DC Coil
Maximum Voltage	130% (at 85 °C)	Electrical Life expectancy	100000 operations at 250VAC 200mA, 100000 operations at 24VDC 200mA
Power Consumption	30mA		