

## UM Modulating Series

### Modulating Controller

#### General Description :

1. The UM series is Modulating Controller. It is suitable for UM-1 to UM-12.
2. The UM series provide proportion control.
3. The UM-1 and UM-2 install Extra box, UM-3 to UM-12 install inside.

#### Specification :

Power Requirement: 100VAC~120VAC  
200VAC~250VAC  
Signal Input: 4~20mA, 1~5VDC, 2~10VDC

#### Feature :

1. Position Indicator : All series have position indication.
2. Joints Waterproof : All the joints on the housing are armed with waterproofing seal, which is applicable for use in outdoor environment.
3. Manual device : UM-3-1 to UM-12 provide manual device at the side part. During the power shutdown, such manual shaft. can be used to proceed with the switch action.
4. Support constant temperature control.

#### Enclosure :

1. IP67 waterproof and dustproof enclosures.
2. Made of "AA"「NYLON」 or Aluminum Alloy which has purpose of resisting against heat, acid , alkali, waterproof, dustproof.
- \*3. UM-1, UM-2 with modulating : The top cover is over standard specification 16.5mm.  
UM-3, UM-4 with modulating : The top cover is over standard specification 26mm.

#### Signal Input :

1. The DIP provide three kind of signal 4~20mA, 1~5VDC, 2~10VDC or voltage.
2. The input signal can be adjustable on your request of valve position.

#### Working Ambient Temperature :

-10°C ~ 60°C

#### Cautions :

1. Make sure voltage , pressure , fluid , temp before installed.
2. Please install regulated voltage when the voltage is not stable.
3. Make sure input signal of 4~20mA, 1~5VDC or 2~10VDC.
4. To avoid the signal interfere each other , please separate signal wire and power wire.



Proportional Power Controlled Regulator (OPTION)

