

# YCD12 series


## IP65 Isolator Switches

### OPERATION INSTRUCTION

Standard: IEC 60947-3

**CNC**

Deliver  
Power For Better Life

 Before installing and using this product, please read this manual carefully and pay more attention to safety.

## YCD12 series

### IP65 Isolator Switches Instruction

#### 1. Model Specification

Model: YCD12-16 -3 Pole,16A
Model: YCD12-16 -4 Pole,16A
Model: YCD12-20 -3 Pole,20A
Model: YCD12-20 -4 Pole,20A
Model: YCD12-25 -3 Pole,25A
Model: YCD12-25 -4 Pole,25A
Model: YCD12-32 -3 Pole,32A
Model: YCD12-32 -4 Pole,32A
Model: YCD12-40 -3 Pole,40A
Model: YCD12-40 -4 Pole,40A
Model: YCD12-63 -3 Pole,63A
Model: YCD12-63 -4 Pole,63A
Model: YCD12-100 -3 Pole,100A
Model: YCD12-100 -4 Pole,100A

#### 2. Installation Instructions

- These products should be installed by a competent person(e.g. qualified electrician) in accordance with these instructions and in compliance with the appropriate clauses of the current edition of the IEE wiring and building regulations.
- The Weathersafe Isolator range is designed to be mounted on a vertical flat surface.

- The rear box shall be mounted on the wall using fixings and wall plugs if necessary. The fixing dimensions are marked on the back of the rear box.
- The front moulding can only be removed when the switch is on the OFF position.
- The terminals should be tightened to a torque of 1.8Nm.

Do not exceed the maximum cables sizes:

- 20A                      2.5mm<sup>2</sup>
- 32A                      6mm<sup>2</sup>
- 40A and 63A      16mm<sup>2</sup>
- 100A                    25mm<sup>2</sup>
- A cable gland of IP65 or higher should be used in order to maintain the IP rating.
- The relevant cable entry knockout should be carefully removed by scoring the groove around the required knockout with a sharp knife and then tapping it out with a small hammer onto a screwdriver in the groove.
- When re-assembling the enclosure ensure that the gasket is fully in place in order to retain the IP65 rating.


- Tighten the screws supplied to refix the front cover in place. Do not overtighten. Use of an electric screwdriver is not recommended.
- Advice should be sought before installing this product in an environment where it is likely to be subjected to chemicals, oils or solvents.

### 3. Cleaning


Care should be taken when cleaning this product.

- Inside the lid should only be wiped with a clean dry cloth.
- The outside can be cleaned with mild detergent.
- Solvent based cleaners should not be used.


### 4. Specifications

YCD12-16/20								
Manual Motor Controller					IEC947,EN60947-3,VDE0660			
MOTOR	120V	240V	480V	600V	50Hz 	220V 440V	380V 690V	
3ph HP	1.5	3	5	5	I <sub>u</sub> =I <sub>th</sub> =AC21A	20A		
1ph HP	0.5	1.5	3	3	AC-23A 3ph	5.5kW	7.5kW	
20A 600VAC					AC-3 1ph	4.0kW	5.5kW	


**YCD12-25/32**

Manual Motor Controller					IEC947,EN60947-3,VDE0660			
MOTOR	120V	240V	480V	600V	50Hz 	220V 440V	380V 690V	
3ph HP	1.5	3	5	5	lu=lth=AC21A	32A		
1ph HP	0.5	1.5	3	3	AC-23A 3ph	7.5kW	11kW	
32A 600VAC					AC-3 1ph	5.5kW	7.5kW	


**YCD12-40**

Manual Motor Controller					IEC947-3,EN63947-3,VDE0660-107			
MOTOR	120V	240V	480V	600V	50Hz 	220V	380V 440V	690V
3ph HP	3	7.5	15	15	lu=lth=AC21A	40A		
1ph HP	1.5	3	7.5	7.5	AC-23A 3ph	7.5kW	15kW	18.5kW
40A 600VAC					AC-3 1ph	7.5kW	11kW	11kW

**YCD12-63**

Manual Motor Controller					IEC947-3,EN63947-3,VDE0660-107			
MOTOR	120V	240V	480V	600V	50Hz 	220V	380V 440V	690V
3ph HP	5	10	20	20	lu=lth=AC21A	63A		
1ph HP	2	5	10	10	AC-23A 3ph	11kW	22kW	22kW
63A 600VAC					AC-3 1ph	11kW	22kW	15kW

**YCD12-100**

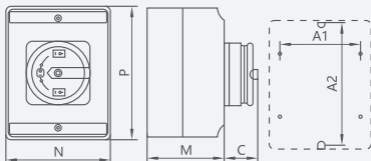
Manual Motor Controller					IEC947-3,EN63947-3,VDE0660-107				
MOTOR	120V	240V	480V	600V	50Hz 	220V	380V 440V	690V	
3ph HP	10	25	50	50	lu=lth=AC21A	100A			
1ph HP	5	15	30	30	AC-23A 3ph	22kW	37kW	30kW	
100A 600VAC					AC-3 1ph	18.5kW	30kW	22kW	

**5. Overall and mounting dimensions(mm)**

Model specification	Dimensions(mm)				Mounting dimensions(mm)	
	P	N	M	C	A1	A2
YCD12-16A	100	80	65	35	60	90
YCD12-20A	100	80	65	35	60	90
YCD12-25A	125	100	85	35	60	115
YCD12-32A	125	100	85	35	60	115
YCD12-40A	175	114	100	35	60	165
YCD12-63A	175	114	100	35	60	165
YCD12-100A	240	160	120	45	142	193

### Surface Mounting

### Hole Size





# CERTIFICATE

Product Model: YCD12 series

Standard: IEC 60947-3

Inspector : **CNC001**

Production date: Printed on the product  
or package.

This product is qualified according  
to the delivery inspection

**CNC**

YCD12 series

## CNC ELECTRIC

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