

# TIMEGUARD®

A **theben** Group Company

## **Weathersafe®** IP65 Isolator Switches

Model: IS3N-20 – 3 Pole, 20A  
Model: IS4N-20 – 4 Pole, 20A

Model: IS3N-32 – 3 Pole, 32A  
Model: IS4N-32 – 4 Pole, 32A

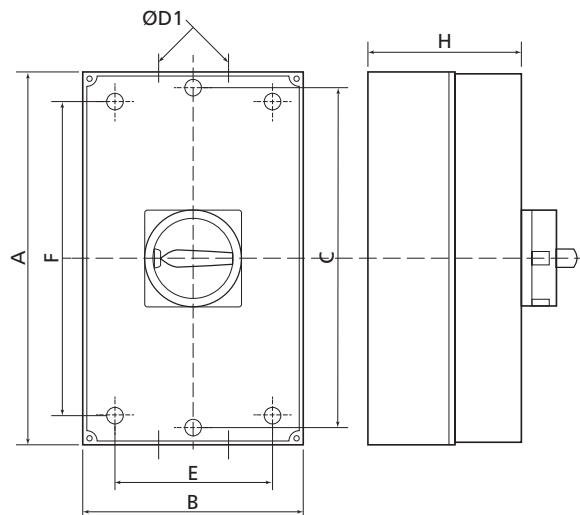


Model: IS4N-40 – 4 Pole, 40A  
Model: IS4N-63 – 4 Pole, 63A

Model: IS4N-100 – 4 Pole, 100A

Installation & Operating Instructions

## 1. Dimensions



	A	B	C	D1	E	F	H
IS3N-20 IS4N-20	100	82	90	2x M20	60	60	65
IS3N-32 IS4N-32	141	100	126	2x M20/25	75	100	68
IS4N-40 IS4N-63	175	121	161	2x M20/25	96	135	91
IS4N-100	240	160	154	2x M25/32 1x M20	142	93	95

**Please note that all instructions are to be left with the customer after installation**

The Weathersafe Isolator range is manufactured from tough, durable thermoplastic, and is intended for use in an outdoor environment, or one in which the protection provided by the Weathersafe Extreme range is required. The protection level is IP65.

## 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

IS3N-20 and IS4N-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	Iu=Ith=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	

IS3N-32 and IS4N-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	Iu=Ith=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	

IS4N-40							
Manual Motor Controller				IEC947-3, EN63947-3, VDE0660-107			
MOTOR	120V	240V	480V	600V	50Hz	220V 440V	380V 690V
3ph HP	3	7.5	15	15	Iu=Ith=AC21A	40A	
1ph HP	1.5	3	7.5	7.5	AC-23A 3ph	7.5kW	15kW
40A 600VAC				AC-3 1ph	7.5kW	11kW	11kW

IS4N-63							
Manual Motor Controller				IEC947-3, EN63947-3, VDE0660-107			
MOTOR	120V	240V	480V	600V	50Hz	220V 440V	380V 690V
3ph HP	5	10	20	20	Iu=Ith=AC21A	63A	
1ph HP	2	5	10	10	AC-23A 3ph	11kW	22kW
63A 600VAC				AC-3 1ph	11kW	22kW	15kW

IS4N-100							
Manual Motor Controller				IEC947-3, EN63947-3, VDE0660-107			
MOTOR	120V	240V	480V	600V	50Hz	220V 440V	380V 690V
3ph HP	10	25	50	50	Iu=Ith=AC21A	100A	
1ph HP	5	15	30	30	AC-23A 3ph	22kW	37kW
100A 600VAC				AC-3A 1ph	18.5kW	30kW	22kW

## 3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For years 2 to 3 or any difficulty in the first year, telephone our helpline on 020 8450 0515.

Note: a proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent.

For assistance with the product please contact:

**HELPLINE 020 8450 0515**

or email [helpline@timeguard.com](mailto:helpline@timeguard.com)

**www.timeguard.com**

**TIMEGUARD®**

A theben Group Company

For a product brochure please contact:

**Timeguard Limited.**

Victory Park, 400 Edgware Road, London NW2 6ND

Sales Office: 020 8452 1112

or email [csc@timeguard.com](mailto:csc@timeguard.com)

67-058-525 (Issue 1)