Catalogue number: **ACS C2-M80**

1 Phase Adjustable ATS 10 - 80 A

ACS C2-M80

1 Phase Adjustable ATS 10 - 80A

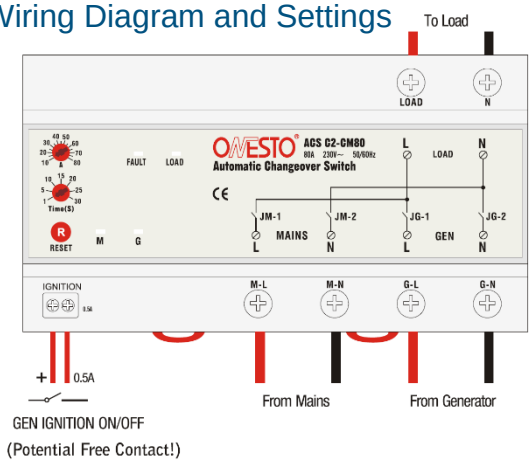
- Switches Between Mains supply and Backup Generator
- Adjustable Current 10 - 80A
- Adjustable Restoring Delay time 1 – 30 sec
- Operation Status with LED indication
- Automatic Generator ON / OFF
- Reliable Operation and Durable Life
- Standard Conformity IEC 60947-6 / IEC 60947-3

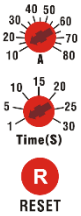
ACS C2-M80
1 Phase Adjustable ATS 10 – 80 A

Properties

Properties	
Manufacturer	Onesto
Product Range	Eureka 1 Phase ATS
Rated Voltage	230 VAC
Rated Current	10 - 80 A
Rated Frequency	50 - 60 Hz
Power Consumption	4.5 VA, 230VAC
Rated Insulation Voltage	500 V
Rated Impulse Voltage	1.5 kV
Di-electric Strength	2 .0 kV
Change Over Delay	Mains to Generator: 3 sec Generator to Mains: 1 - 30 sec (Adjustable)
Ambient Temperature	-5°C to + 55°C
Switching Capacity	80A @230VAC (cos ϕ = 1) 30A with Inductive Loads (cos ϕ = 0.6)
Utilization Category	AC-21A (IEC 60947-3), AC-31B (IEC 60947-6)
Pollution Degree	2
Protection Class	IP20
Terminal Capacity	16 - 25 mm²
Weight	725 g
Standard Conformity	IEC 60947-6, IEC 60947-3

Wiring Diagram and Settings





Current setting : 10A-80A

Delay time setting : 1s-30s (Generator to Mains)

Press the RESET button to restore supply

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Operation

During Mains Supply

1. The ACS allows supply from Mains within the preset current; Mains indicator M keeps lighting
2. In case the current exceeds the limit, the load will be disconnected for 10 seconds as a warning, then reconnected.
3. During the 10 seconds disconnection, ACS will check the overload status.
4. Switch off the non-essential loads to reduce the current within the limit.
5. If the current is Overload, ACS will repeat 5 times warning.
6. ACS will disconnect the load if the overload persists after 5 times.
7. Press the RESET button to retore supply.
8. When the Mains supply fails, the supply fails, the supply changeover to Generator after a 3 second time delay.

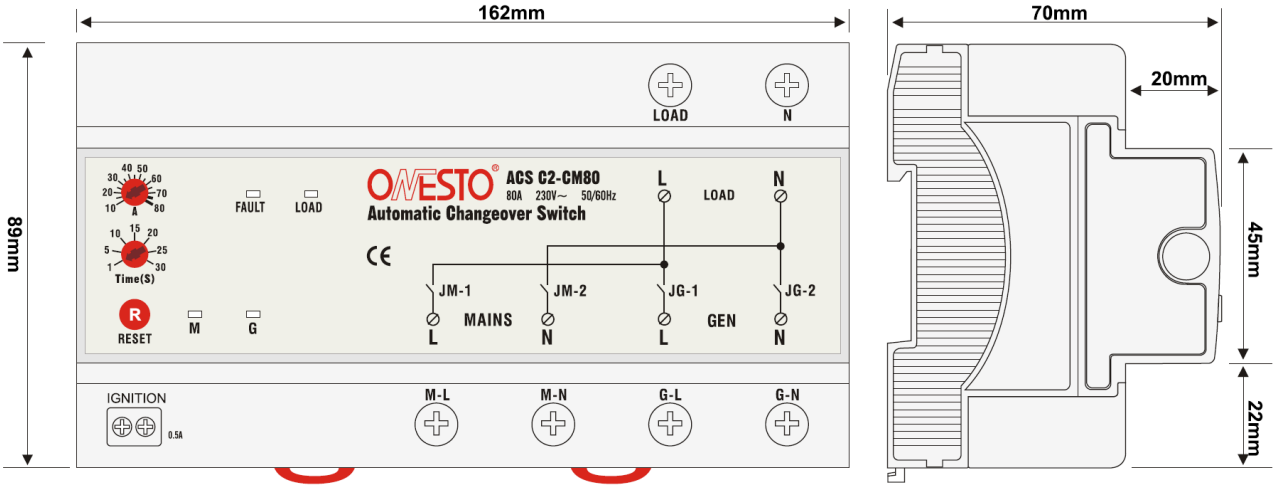
During Generator Supply

1. ACS allows supply from Generator within pre-set current. Generator indicator G keeps lighting.
2. If the current exceeds the limit, the load will be disconnected 10 seconds as a warning and then automatically reconnected.
3. Supply off the non-essential loads to reduce the current within the limit.
4. If the user does not reduce the load current within the limit, ACS will repeat the warning 5 times, then disconnect the load and the FAULT indicator will light-up.
5. Press RESET button to restore supply.
6. When the Mains supply resumes, the ACS shifts the supply back to Mains after preset time delay.

During a Fault

1. FAULT indicator flashes one time after first excess and the load disconnected.
2. FAULT indicator flashes twice after second excess and the load disconnected.
3. FAULT indicator flashes three times after third excess and the load disconnected.
4. FAULT indicator flashes four times after fourth excess and the load disconnected.
5. FAULT indicator keeps lighting after the fifth excess and the load disconnected.
6. ACS will disconnect the load if the load persists after the fifth warning.
7. After successfully clearing the Fault, press the RESET button to restore supply.

Dimensions for ACS C2-M80



TOP VIEW SIDE VIEW