

# AXON<sup>TM</sup>

## Electric

Where Innovation Meets Electricity

**Precision Switching,  
Unmatched Protection.**



## Axon Electric Corporation

An ISO 9001:2015 Certified Company

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## Automatic Transfer Switch

### Automatic Transfer Switch with inbuilt Controller AX2-Motorised

- Available in basic and intelligent versions.
- **Current rating:** Up to 3200A.
- **Operating Modes:** Auto, Manual and remote.
- **Protection:** OV, UV, OC, OF, UF (adjustable and password protected), Phase sequence and Phase failure.
- Adjustable transfer and recovery delay.
- **No of poles:** 4
- Source position indicator LED's.
- Built in AMF (auto generator start and stop) feature.
- Automatically disconnects the supply in case of fire.
- High durability with 8000+ ON/OFF cycles.



## Automatic Transfer Switch with Inbuilt Controller- AX3 Solenoid

### Four Pole

- **Number of poles:** 4 poles.
- **Current rating:** 125A, 250A, 400A, 630A, 800A, 1200A.
- Double complex contact/ horizontal moving mechanism to ensure self-cleaning and proper connection
- **Operating Mode:** Manual and Auto.
- Energy efficient driving motor design.
- Distinct position indicator and padlock function.
- Over Voltage, Under Voltage and Phase failure monitoring.
- Operating time is <60ms.

### Mini ATS DIN mounting

- Solenoid based fast switching (< 50ms).
- **Current rating:** Up to 63A.
- **No of poles:** 2 and 4.
- Under and Over Voltage monitoring and protection.
- Manual and Auto mode operation.



### Manual Transfer Switches MTS-AX1

- **Operating Voltage:** 400V AC.
- **Current Rating:** Up to 1250A.
- **No of poles:** 4 pole.
- Complies with IEC60947-3.
- Spring charge mechanism for rapid making and breaking.
- Provision for padlock to avoid mis-operation.



## Wi-Fi MCB

- **Rated Voltage:** 230V / 400V
- IEC 60898-1
- **Number of poles:** Double pole / Four pole
- **Rated Current:** 16A,20A,25A,32A,40A,50A,63A,80A,100A,125A
- Rated short circuit capacity  $I_{cs}=I_{cn}=6kA$
- **Protection:** Overcurrent, Short circuit, Overvoltage, Undervoltage.
- **Control:** Local or remote- APP, and can also be set for specific timing operation.
- **Mode of operation:** Auto and Manual operation.



Alarm- In event of fault tripping a notification will be sent to registered instrument.

It has self-diagnosis function, including memory fault identification, controller over-temperature, ADC acquisition circuit failure, clock battery underpower

- warning, and supports the temperature of each phase terminal or contact.

**Communication:** WIFI, Bluetooth, 485, DL/T645 or CoAP, etc.; 485 can communicate with photovoltaic inverters; it can also support power line carrier communication and micro-power wireless MESH communication functions

## Surge Protection Device SPD

- **Type:** T2
- **Maximum Discharge current (8/20  $\mu s$ ):** 40kA
- **Response Time:** < 25ns
- **Temperature range:** -40 deg to +70 deg
- **Operating Voltage:** 440V
- **Pluggable Design:** Easy to replace cartridges.
- **Poles:** 2P and 4P.



## Hour Meter.

- **Rated Voltage:** 220V/ 50Hz
- **Outline Dimension:** 48x48x40mm
- **Timing Range:** 0~99, 999.99Hours
- **Net Weight:** 50g
- This product is suitable for capturing running time of domestic generators, industrial generators, air compressor, etc



## Thermostat

- Compact Size and weight 75X 33x 43mm / 40gms and 35mm Din Channel Mounting
- **Temperature Range:** 0-60deg C
- Contact rating 5 Amps @ 220 V AC
- Protection IP 20



## Digital Meters

- Universal Auxiliary supply (80-300V AC/DC)
- Input Voltage (50-600VLL)
- Secondary Current 20mA-6A
- Measures Average and Phase-wise parameters
- RS485 optional
- Compact size 96x96x55mm
- User - friendly Programming
- Page lock and Menu lock features available

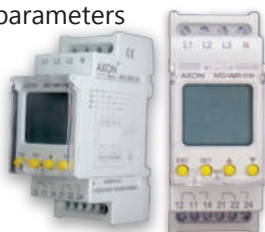


Model No	Description
Digital energy Meter	EN 1600
Dual Source Energy Meter	EN 2600DS
Multifunction Meter	MF 3400, MF 3600
Digital Single Phase Meters	DPM A, DPM V
Digital Three Phase Meters	DPM 3A, DPM 3V
DC Meters	DC Ammeter, DC Voltmeter
VAF Meter	VAF 300

## Relays

### Digital Relay

- Suitable for 3P+N.
- Micro Controller based
- LCD indication for operating voltages and status
- Over Voltage, Under Voltage, Phase failure, asymmetry and phase sequence protection
- 45- 65 HZ wide frequency measurement range
- Supply Voltage measurement (True RMS)
- Menu setting for protection parameters
- Test and Manual reset keys
- N phase failure protection



### Analogue Relay

- Micro Controller based
- True RMS Measurement
- Parameter setting by knobs
- 1 C/O output of 8A rating
- LED indication for supply and Output state
- 35 mm DIN Mounting



## Timer

### Analogue / Daily Timer

- Base, Flush/DIN Mounting
- **Operation Mode:** ON-OFF-Programmable
- (each step with 15mins interval)
- **Contact Rating:** 16 Amps, 250VAC
- Contact Type 1 C/O.



### Digital/ Weekly Timer

- Advanced Pre-setting for one Week
- **ON/OFF Operation:** 16 ON & 16 OFF,
- Backlit LCD Display
- **Power reserve :** 3Years (Lithium Battery)
- **Temperature range:** -10 +40 deg
- **Contact Rating:** 16A @ 250V AC
- 35 mm DIN Mounting





### Miniature Circuit Breaker:

- As per IS/IEC 60898.1:2015. ISI marked.
- **Curve:** B and C.
- Overcurrent and short circuit protection.
- **Rated Current:** 0.5, 1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40 & 63A  
Max working voltage: 415V.
- **Configuration:** SP, SPN, DP, TP, TPN, FP
- **Terminal connection:** can accept Bus Bars and
- Flexible cables up to 25 Sq. mm.



### Residual current Circuit Breaker

- IS 12640- (Part 1): 2016/ IEC 61008- 1: 2012.
- Type: AC.
- ISI marked.
- Sensitivity 30mA, 100mA & 300mA
- Rated current –25, 40 and 63A
- Max working voltage: 145V
- Configuration -2 Pole and 4Pole
- DIN rail mountable. Can accept bus bars and cable termination.
- ON- OFF flag indicator
- Test button for periodic checkup
- IP20 protection.



### Isolator

- **Number of poles:** 2, 3 and 4 poles.
- **Current Rating:** 40, 63, 100A.
- **Max working voltage:** 240 / 415V.



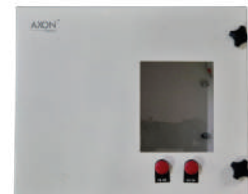
### Miniature Change over Switch

- **Number of Poles:** 2 and 4.
- **Current rating:** 25 and 40A.
- DIN rail mountable.
- **Max working voltage:** 240 / 415V.



### Distribution Board

- Material – CRCA
- DB Thickness – 0.8 to 1mm
- Finish – Powder Coating
- Shade- RAL 9003 Fine Texture
- Protection Category – IP42
- Incomer - Termination on busbars
- Busbar Rating - 63A to 1.2mm Thickness
- Outgoing – Termination on busbars
- Type -SPN / TPN





## Star Delta Starter

- Material – CRCA
- The AX-SD Series Star Delta Starter is designed for use
- with 3-phase squirrel cage induction motors
- operating at 380/400 V AC, 50 Hz.
- It supports AC-3 current
- ratings ranging from 18 to 265 Amps.
- The starter features a modular design that
- integrates both contactors and a controller into a single
- unit, enabling complete motor control according to a
- preset program. This integrated setup enhances the
- efficiency and reliability of the star-delta starting function for the motor.



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PASSION AT WORK

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