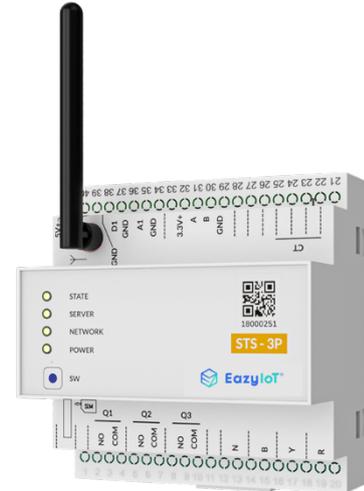


Smart Time Switch – STS 4G

- DIN-rail mounted smart time switch
- Built-in real-time clock (RTC)
- Supports daily, weekly, holiday, and astronomical schedules
- 3 relay outputs for load control
- Manual override via local switch
- Status indication through LED indicators
- Remote configuration and monitoring via cloud platform
- Remote firmware update support



Technical Specifications

Parameters		Specifications	
Power Supply	Rated Voltage	5V DC (10% Tolerance)	
	Nominal Current	500 mA	
	Maximum Current	2A Burst for less than 1 msec	
Communication	Mode	GPRS [4G Communication with 2G fallback)	
	Sim Card	Micro Sim Card	
	Data Encryption	AES 128	
	Cloud Software	Timer™ IoT Platform	
	Mobile Application	Smart Timer [Android OS]	
Input-Output Specifications	AC Voltage	0-500 VAC, 50-60 Hz – Three Phase	
	AC Current	60A Current Transformer	
	Digital Inputs [2 Nos]	Dry Input: NO-NC type	
	Analog Input [1 Nos]	0 – 26v	
	Manual Override Switch	Turn ON Relay for 1 Min to 24 Hours*	
	Output [3 Nos]	10A Relay (NO-COM-NC) at 250 VAC.	
	Interface	RS485	
RTC Battery Backup	5 Year Battery Backup		
Electrical Parameters	AC Voltage	Range 50 - 500 V	
	AC Current	Range 0.1 – 60 A	
	Frequency	Range 45 – 60 Hz	
	Power Factor	Range -1 to 1	
	kW, kWh, kVA, kVAh	1% Accuracy	
Mechanical Specifications	Mounting	T35 Din Rail	
	Dimensions (W x D x H)	108 x 50 x 61 mm	
Firmware and Maintenance	Remote Firmware Update	Supported	
	Configuration Method	Cloud-based (EazyIoT Platform)	
Indicator / Control		Description	
Indicators and Controls	Power LED	Indicates power status	
	Network LED	Indicates network connectivity	
		OFF	Communication Modem powered OFF
		Always ON	Searching network
		800msec ON	Registered to the network (2G mode only)
		800msec OFF	
		200msec ON	Data Transmit (2G mode)
200msec OFF	Data Transmit/Registered (4G mode)		

	Server LED	Indicates server communication <table border="1"> <tr> <td>ON</td> <td>Device connected to server</td> </tr> <tr> <td>OFF</td> <td>Device disconnected from the server</td> </tr> </table>	ON	Device connected to server	OFF	Device disconnected from the server
ON	Device connected to server					
OFF	Device disconnected from the server					
	State LED	Indicates device status <table border="1"> <tr> <td>Blinking every second</td> <td>Device is in normal state</td> </tr> <tr> <td>Blinking every 200ms</td> <td>Relays are ON due to manual override.</td> </tr> </table>	Blinking every second	Device is in normal state	Blinking every 200ms	Relays are ON due to manual override.
Blinking every second	Device is in normal state					
Blinking every 200ms	Relays are ON due to manual override.					
	SW Button	Manual control / override				
Accessory						
Accessories	Dimming Module	External dimming control				
	HMI Display	Local user interface display				
	Wireless Transceiver	External communication module				
	Current Transformer	100 A CT for load monitoring				
Model						
Ordering Information	STS 4G	Smart Time Switch with 4G cellular connectivity, DIN-rail mount, 3 relay outputs				
Certification						
Certifications and Compliance	Conducted Susceptibility Test	IEC 61000-4-6: 2013				
	Electrical Fast Transient (EFT) /Burst Immunity Test	IEC 61000-4-4: 2012				
	Electrostatic Discharge Immunity (ESD) Test	IEC 61000-4-2: 2008				
	Meter parameters measurement Accuracy	Class 1 as per IS13779:2020 Amend 0				

▪ **Dimensions (All dimensions are in mm)**

