MOSA ISO 9001:2008 - Cert. 0192

Made in Italy

AUTOMATIC TRANSFER UNIT
EAS 275 MTE / 435 MTE - 809

- Automatic panels with load transfer switch for generators (AMF + ATS)
- 4 poles motorized change-over switch
- Power connection with nickel-plated copper bars
- TE809A microprocessor controller
- Back-lit LCD graphic display- 64x128 pixel
- Three-phase mains and generator monitoring
- RS232 port MODBUS RTU protocol
- RS485 port and USB port
- Fully programmable by keyboard
- 4 languages available on board (others languages available on CD)
- Event list (250) and data-logger
- Date and time (REAL TIME clock with battery)
- Complete of control cable - 15 meters
- Meets EC directives

Standard equipment

- Metal case painted with epoxy powder
- TE 809A microprocessor controller
- 4 poles motorized change-over switch
- Automatic battery charge 5A
- Emergency stop button
- Alarm Buzzer
- Protection fuses
- Heater circuit breaker
- N° 3 current transformers

Options to factory installation

- Remote control by PC: via RS232 port (15m max.) - via RS485 port - via MODEM - via GSM MODEM - via GPS MODEM - via ETHERNET.

TECHNICAL DATA	EAS 275 MTE-809 (12Vcc)	EAS 275 MTE-809 (24Vcc)	EAS 435 MTE-809
3phase 400V power max	277 kVA	277 kVA	436 kVA
3phase 230V power max	159 kVA	159 kVA	251 kVA
1phase 230V power max	147 kVA	147 kVA	230 kVA
Ith. contactors current (≤ 35 °C)	400A	400A	630A
Short circuit withstand current - Icw (1 sec.)	13 kA	13 kA	26.5 kA
Dimensions hxwxd (mm)	1600 x 700 x 400	1600 x 700 x 400	1600 x 800 x 500
Weight	125 Kg	125 Kg	135 Kg
IP protection degree		IP 54	
Working frequency		50 o 60 Hz	
Battery charger	12Vc.c. - 5A	24Vc.c. - 5A	24Vc.c. - 5A
Working temperature		- 20°C ÷ + 70°C	
Relative humidity		< 90 %	
Storage temperature		- 40°C ÷ + 80°C	
Positioning		Pavimento	
TECHNICAL DATA CONTROLLER TE 809A			
Supply voltage		12 (24) V c.c.	
Supply range		6 ÷ 33 V c.c.	
Rated current		250 mA	
IP protection degree of the controller		IP 65	
Measures accuracy		± 0.2% - ± 1 digit	

CONTROLS - READING AND SIGNALS - ALARMS

KEYBOARD

- RESET
- AUT
- MAN
- TEST
- START
- STOP
- KG - generator contactor
- KR - mains contactor
- HELP
- MENU
- NAVIGATOR AND CONFIRMATION DRIVE (5 buttom)

DISPLAY: MEASURES

Generator / Mains
- Vac: L1/L2 - L2/L3 - L3/L1 - L1/N - L2/N - L3/N
- I (A): L1- L2 - L3
- kVA - kW - kVAR: L1- L2 - L3
- kWh
- Cos φ: L1- L2 - L3
- Hz

General
- Date and time
- Work hours
- Hours left to service
- Event log

ALARMS

- High engine temperature
- Low oil pressure
- Pressure sensor fault
- Low fuel level
- High rpm (overspeed)
- Low rpm
- High battery voltage
- Low battery voltage
- Battery charger alternator fault
- Starting failure
- Emergency stop
- Mechanical fault
- Stop failure
- Low coolant level
- Service
- High generator and mains frequency
- Low generator and mains frequency
- High generator and mains voltage
- Low generator and mains voltage
- Asymmetry generator and mains
- Wrong sequence phase generator and mains
- System lockeed

INDICATION LED

- Controller supplied
- Reset - Aut - Man - Test
- General alarm
- Generator voltage OK
- Generator contactor close
- Mains voltage OK
- Mains contactor close

SPECIAL FUNCTIONS

Functions enable only in Automatic mode.
- REMOTE START: by mean an external signal is possible start and stop the generator also with mains present
- REMOTE STOP: by mean an external signal is possible to block the generator. The generator will not start also when a mains failure happen. This function is useful when you want to start the generator automatically after a mains failure but only with a remote switch active, for example a signal of a level sensor or timer.
- SCR: this function permits to start the generator and make the changeover switch on the load by an external signal also with mains present. When this signal disappears the generator will stop and a changeover switch on mains side happens.
- START / STOP generator from threshold kW power mains.

Mosa reserves the right to change this specification without notice. For further information please contact the sales department.