

# Be42

## AMF & ATS + Generating Set Controller

### State-of-the-art generating set controller

#### Description

The Be42 is a high performance 3-phase A.M.F/A.T.S. controller/Generator Controller and Monitoring System. It displays all parameters involved in the automation of a Generator. A serial interface RS485-MODBUS is provided for remote monitoring. The software allows you to program, monitor and calibrate measurements. Windows XP (\*) compatible control software provided. The Be42 features 7 operating modes and complies with NFPA-110 specifications.

#### Key Features

- ✓ AC True R.M.S. measurements
- ✓ 180 programmable parameters & settings
- ✓ RS485 and MODBUS RTU protocol
- ✓ 3-Phase A.M.F & A.T.S. controller



- ✓ 3 programmable sensor inputs

- ✓ programmable inputs with 26 options for each

- ✓ programmable outputs with 62 options for each

#### Front Panel features

- 13 LEDs, 12 Pushbuttons, 4-digit Display
- Manual control of the contactors & LED indicators
- 5 Display menus and 7 Operating modes selection
- Allows 4-character password protection
- Complete set of operating and alarm messages
- Aac, Vac, Hz, Vdc, R.P.M. indications
- BAR, Temperature, % Fuel, and h-meter
- All measurements may be calibrated in the field

#### Miscellaneous features

- RS485 Port: MODBUS RTU compatible
- Low-power consumption: less than 2W
- Same Cut-out as the Be21: 190x93mm
- Dimensions/Weight: 224x105x70 / 850gr.
- 3-Years full warranty, cost effective
- IP protection: IP54 (IP20 at rear)
- Connections: two-part removable Plug & Socket



#### Specifications

- Vdc Supply: 5.0Vdc up to 36Vdc / 2W max
- Vac Mains & Generator: 70Vac up to 600Vac
- Frequency Range: 15Hz up to 90Hz
- AC Measurements accuracy: +/-1%
- Generator Current Input: 0 up to 8Aac
- Analogue Resistive Senders: 0 up to 2000 Ohm
- Static Outputs: 300 mA/100Vdc, short circuit protected
- Programmable digital inputs trigger threshold
- Operating Temperature Range: -30°C up to +70°C

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