

AUTOSTART 730 (AS730 series)

PROGRAMMABLE GENERATOR CONTROLLER

The Autostart 730 provides for the fully automatic or manual control of a standby generator. The unit has similar control and instrumentation features to the Autostart 710, but with the addition of 3 phase generator voltage and current measurement, display and fault tripping.

Key features

- Automatic, Manual and Program modes, selected by front facia push button keys
 - 32 character, back-lit liquid crystal display (LCD)
 - Fully programmable generator control options, timers, inputs, outputs and fault protections
 - Monitoring, display and programmable fault trips for generator speed/frequency, 3 phase voltage and 3 phase current with IDMT response.
 - Comprehensive automatic fault protection system:- up to 5 programmable fault inputs, overspeed, charge fail, emergency stop, and high and low battery volts
 - 6 programmable outputs, each with over 40 different function (or 'action') types

Operation

Control of the Autostart is via 4 front facia keys:-

ON/MODE Turns on the Autostart and allows selection of Auto or Manual modes.

SELECT Used in the programming of Autostart
OFF Turns the Autostart off, disabling the generator and resetting any fault condition.

These keys are also labelled with $\triangle\triangleright\triangleleft$ symbols, used in the programming of each Autostart (see overleaf). Two front facia LEDs indicate the selected operating mode: green for Auto, amber for Manual.

The Autostart 730 has a comprehensive fault detection, warning and automatic response system:-

- Dedicated inputs for low oil pressure and high engine temperature sensors, either switch or analogue type. The use of analogue sensors allows for pre-warning as well as shutdown alarms, and real-time display of oil pressure and engine temperature.
 - Three programmable inputs for use with remote fault switches. The inputs can be set to give a warning only, generator load release or shutdown response.
 - User set trip levels and response for generator speed/frequency, 3 phase voltage and 3 phase current



Product Specification

Power supply:

In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.

- Additional fault alarms:-

Warnings: low and high battery voltage, charge fail and magnetic pickup fault

Shutdowns: emergency stop, start fail and system fail.

Programmable functions

The AS730 has all the programmable functions found on the Autostart 710 – timers, alarm configurations, trip levels and programmable inputs/outputs – plus the following:-

- Generator under voltage trip, under voltage reset, over voltage trip levels.
- Generator full load current, IDMT response constant and instant trip level.

The Autostart may be programmed by use of the front facia keys: to prevent end-user tampering, entry to program mode is restricted by use of a code number.

The addition of a small RS232 interface allows the AS730 to be connected to a remote (IBM compatible) computer, either directly or over a modem link; Murphy Modex communication software allows a PC operator to program, monitor and control the Autostart from a remote location.

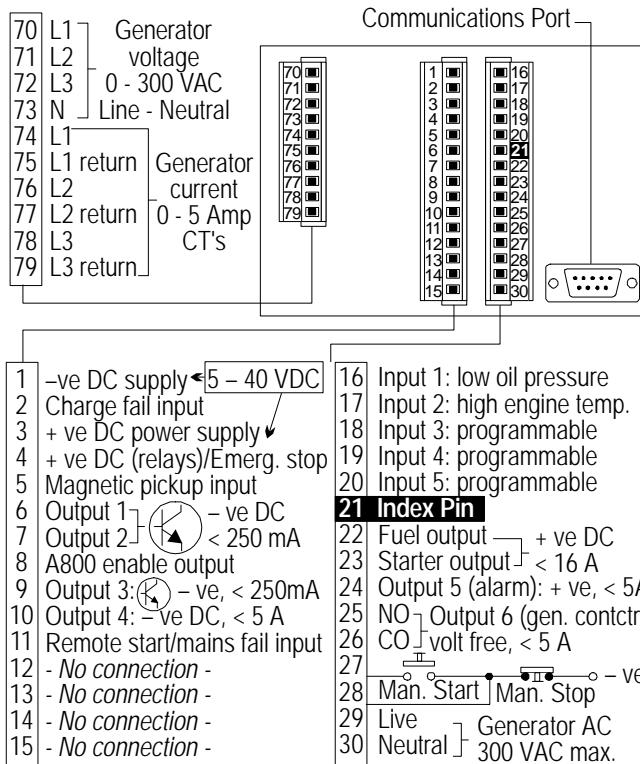
When ordering, please specify:-

- Unit type (Autostart 730S)

Accessories:-

- | | |
|--------------|--|
| AS7CA | 9 way (interface) to 9 way (PC) comms lead |
| AS7CB | 9 way (interface) to 25 way (PC) comms lead |
| AS7CC | Local communications interface |
| AS7CD | Modem communications interface |
| AS7CK | AS7xx communication and programming software |

Rear Facia & Electrical Connection



Typical Connection

