

Autostart AS710S Automatic Engine/Generator Controller



Description

The AS710S provides fully automatic control, fault monitoring and shutdown of a standby generator, pump or engine driven application. Features include:-

- Automatic or manual control, keyswitch selectable
- 32 character, back-lit LCD, for the display of engine and generator parameters.
- Full rogrammability of inputs, outputs, timers, trip levels and control options (details overleaf).
- Wide range power supply, 5 to 40 VDC.
- Optional measurement and display of engine oil pressure and coolant temperature, with programmable warning and shutdown levels.
- Automatic, timed control of generator contactor.
- Electrical connection by two-part, screw terminal blocks.
- Remote communication, monitoring and control via PC software and serial link or modem.

Application

The Autostart series is intended for use in unmanned applications where automatic engine starting and stopping is required. The AS710's control, measurement and display features allow it to be used in place of multiple control units, trip relays and indicating gauges, and at a fraction of the cost.

In addition, communication hardware and free of charge PC software provide remote monitoring, control and automatic fault notification, wherever the engine or generator location.

For further details, please contact your Murphy representative, or visit **www.fwmurphy.co.uk/as7xx**

Warranty

A two year limited warranty on materials and workmanship is given with this Murphy product. Details are available on request and are packed with each unit.

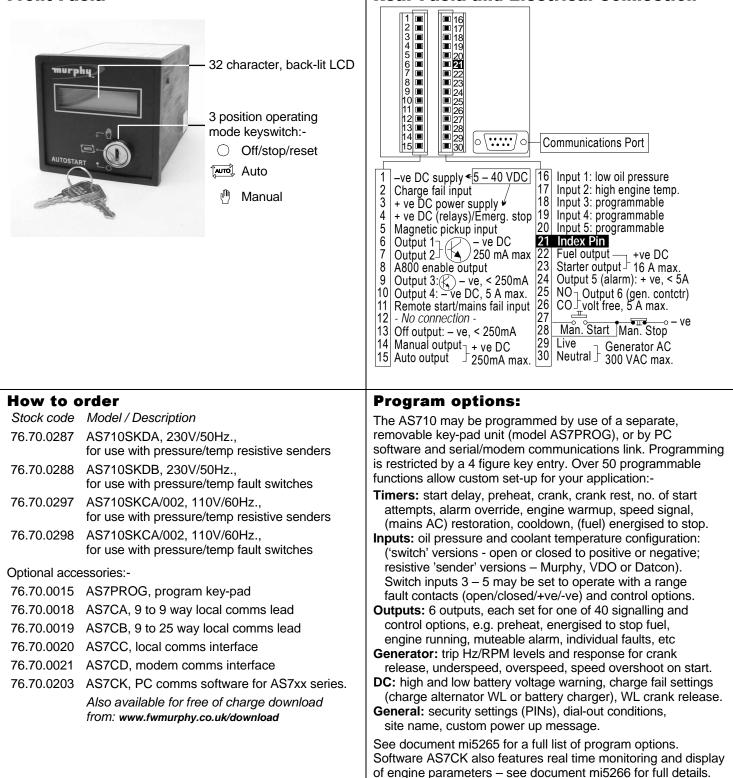
- Automatic or manual engine and generator control
- LCD display of engine and generator parameters
- Fully programmable
- Remote communication, monitoring and control

Product Specification

Power supply:	
Operating voltage: steady state rar	
crank brown-ou Current consumption	tt to 0 V for <= 100 mSec typically 150 mA
Inputs:	
DC inputs (inputs 1 - 5, rem. start):	
Input 1 (oil pressure) and s Input 2 (engine temperature of	switch option (open/closed/+ve/-ve) or analogue sender option (Murphy, Datcon, VDO, BMI wired to –ve DC)
Inputs 3 - 5 Generator AC input:	switch (open/closed, +ve/-ve)
operating voltage range frequency measurement range	90 – 300 V AC rms single phase 0 – 99 Hz.
gen. frequency display accuracy gen. frequency display resolution Magnetic pickup:	
operating voltage range	7 – 80 V AC rms
frequency measurement range	0 – 10 kHz
engine RPM display accuracy engine RPM display resolution	<= 2% of full scale 10 RPM
Outputs:	(all ratings for resistive load)
Start and fuel relays	positive DC (switched relay) 16A max. @ 24 V DC
Programmable outputs 1 – 3	negative DC (semiconductor) 250mA max. @ 33 V DC
Programmable output 4	negative DC (switched relay) 5A max. @ 24 V DC
Programmable output 5	postive DC (switched relay)
(default setting: common alarm)	5A max. @ 24 V DC
Programmable output 6 (default setting: gen. contactor)	volt free SPNO relay 5A max. @ 240 V AC
Auto & Manual outputs	positive DC (switch), 250 mA max.
Off/reset output	negative DC, 250 mA max.
General:	
Overall dimensions (W x H x D) Panel cut-out size Weight Operating ambient temperature	96 x 96 x 162 mm DIN standard 92 x 92 mm approx. 650 g –10 to +55 °C
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Front Facia









CONTROL SYSTEMS AND SERVICES DIVISION PO Box 1819, Rosenberg, Texas 77471, USA tel: (281) 342 0297 fax: (281) 341 6006 email: sales@fwmurphy.com

MURPHY DE MEXICO S.A. DE C.V. Blvd. Antonio Rocha Cordero 300, Fracción del Aguaje San Luis Potosí, S.L.P. México 78384 tel: + 52 48 206264 fax: + 52 48 206366 email: ventasmex@murphymex.com.mx web: www.murphymex.com.mx FRANK W. MURPHY LTD. Church Rd, Laverstock, Salisbury, SP1 1QZ, UK tel: +44 1722 410055 fax: +44 1722 410088 email: sales@fwmurphy.co.uk web: www.fwmurphy.co.uk

For service in French:-Pour service en français:tél: +44 1722 410697 fax: +44 1722 410088 email: france@twmurphy.co.uk web: www.fwmurphy.co.uk/francais.htm MURPHY SWITCH OF CALIFORNIA 41343 12th Street West, Palmdale, CA 93551-1442, USA tel: (661) 272 4700 fax: (661) 947 7570 email: sales@murphyswitch.com web: www.murphyswitch.com

MACQUARRIE CORPORATION 1620 Hume Highway, Campbellfield, Victoria 3061, Australia tel: +61 3 9358 5555 fax: +61 3 9358 5558 email: murphy@macquarrie.com.au

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.