



# Mics Modys

## MANUAL AND AUTO START CONTROL MODULE

### FEATURES



SDMO Mics Modys controller can be user-configured for Auto or Manual Start operation using the genset

When the module detects any of the above faults it will automatically shut down the engine.

Alternatively the controller can be ordered pre-configured. The Mics Modys offers an excellent range of engine monitoring and protection features.

The module also has the capability to monitor battery charging by utilising the WL terminal on the charge alternator. On detecting a battery charging fault, it will light the warning LED on the front panel.

The module offers inputs to monitor low oil pressure, high engine temperature and overspeed and the manual start version also has a user-defined auxiliary input. Auto Start versions also include an input option for a start signal from a remote location.

The Auto Start version can be user-configured for Manual Start operation and the Manual Start version can be user-configured for Auto Start operation.

### ENVIRONMENTAL TESTING STANDARDS

**ELECTRO-MAGNETIC COMPATIBILITY**  
BS EN 61000-6-2  
EMC Generic Immunity Standard for the Industrial Environment  
BS EN 61000-6-4  
EMC Generic Emission Standard for the Industrial Environment

**ELECTRICAL SAFETY**  
BS EN 60950  
Safety of Information Technology Equipment, including Electrical Business Equipment

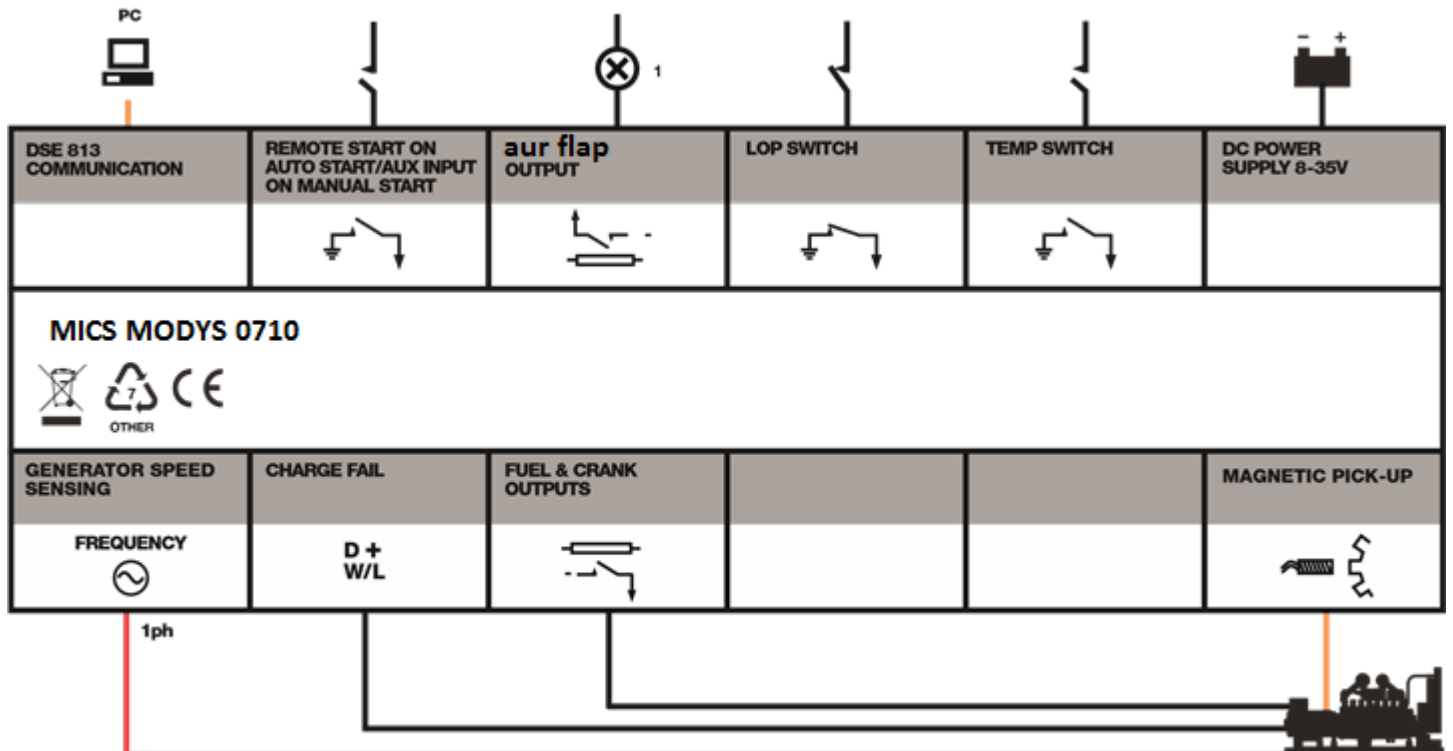
**TEMPERATURE**  
BS EN 60068-2-1  
Ab/Ae Cold Test -30°C  
BS EN 60068-2-2  
Bb/Be Dry Heat +70°C

**VIBRATION**  
BS EN 60068-2-6  
Ten sweeps in each of three major axes  
5 Hz to 8 Hz @ +/-7.5 mm,  
8 Hz to 500 Hz @ 2 gn

**HUMIDITY**  
BS EN 60068-2-30  
Db Damp Heat Cyclic 20/55°C  
@ 95% RH 48 Hours  
BS EN 60068-2-78  
Cab Damp Heat Static 40°C  
@ 93% RH 48 Hours

**SHOCK**  
BS EN 60068-2-27  
Three shocks in each of three major axes  
15 gn in 11 mS

### COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS



# sdmo Mics Modys

## FEATURES



## MANUAL AND AUTO START CONTROL MODULE

### KEY FEATURES KEY BENEFITS

- Configurable Auto and Manual
- Mics Modys comes Start versions pre-configured for frequency
- Remote start input available (speed fensing) but can be user-(when in Auto Start mode) configured for magnetic pick-up.
- Auxiliary shutdown input available
- Uses DSE 813 USB

### DC SUPPLY

**CONTINUOUS VOLTAGE RATING**  
8 V to 35 V continuous

### CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries.

### MAXIMUM OPERATING CURRENT

26 mA at 12 V, 27 mA at 24 V

### MAXIMUM STANDBY CURRENT

20 mA at 12 V, 21 mA at 24 V

### CHARGE/FAIL EXCITATION RANGE

0 V to 35 V

### OUTPUTS

#### START

Solid state 1.2 A negative grounding terminal

#### RUN

Solid state 1.2 A negative grounding terminal

#### AIR FLAP

Solid state 1.2 A negative grounding terminal

### GENERATOR

#### VOLTAGE RANGE

15 V - 333 V AC (L-N)

#### FREQUENCY RANGE

3.5 Hz to 75 Hz

### DIMENSIONS

#### OVERALL

72 mm x 72 mm x 38 mm

2.8" x 2.8" x 1.5"

Excludes key switch

#### PANEL CUT-OUT

68 mm x 68 mm

2.7" x 2.7"

#### MAXIMUM PANEL THICKNESS

8 mm

0.3"