

InteliLite®

MRS 10/MRS 15

Manual and Remote Controller



Description

InteliLite® MRS 10 and InteliLite® MRS 15 are new integrated controllers for engine control in manual and remote start applications, featuring full gen-set monitoring and protection.

InteliLite® controllers are equipped with a powerful graphic display. Icons, symbols and bar graphs for intuitive operation together with high functionality set new standards in gen-set control.

Special low temperature (IL-MRS 10-LT or IL-MRS 15-LT) version is also available, allowing the display to work up to -30°C.

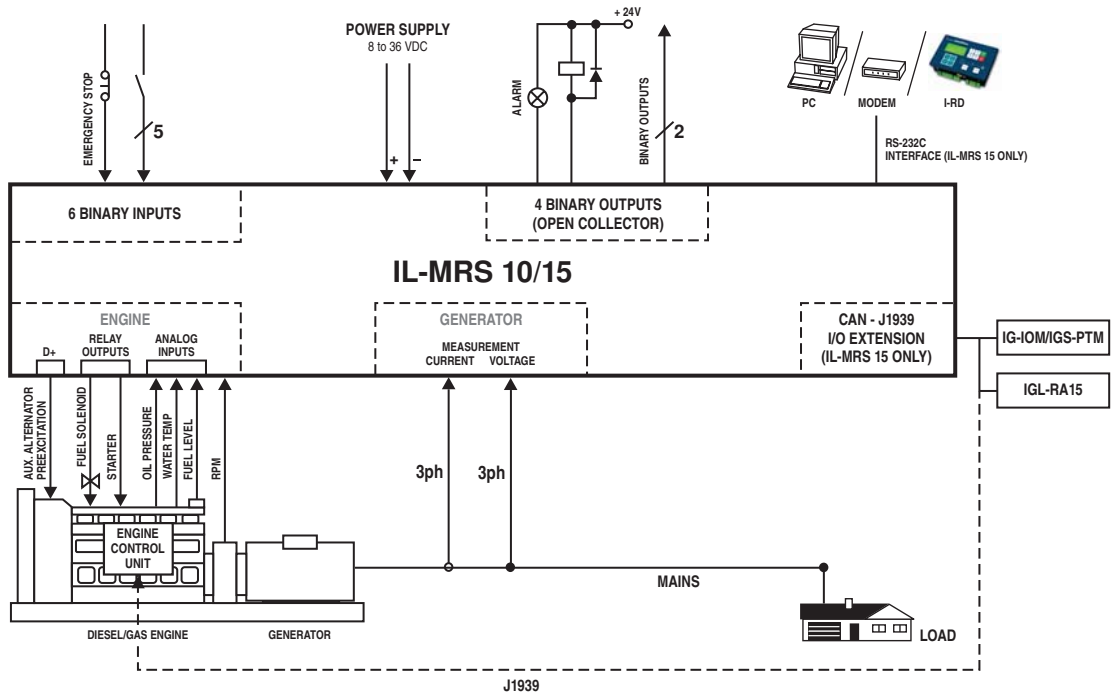
Features

- Support of engines equipped with Electronic Control Unit - J1939 interface (IL-MRS 15 only)
- Automatic or manual start/stop of the gen-set
- Push buttons for simple control, lamp test
- Graphic back-lit LCD display 128x64 pixels
- 2 LED indicators
- Parameters adjustable via keyboard or PC
- Generator measurements (50/60 Hz): U1-U3, I1-I3, Hz, kW, kVA, kWh
- Selectable protections alarm/shutdown
- 3 phase Generator protections
 - Over-/under voltage
 - Over-/under frequency
 - Current/voltage asymmetry
 - Overcurrent/overload
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed (pick-up)
- Configurable programmable inputs and outputs
- Warm-up and cooling functions
 - RS232 interface (AT-LINK CONV cable is necessary for IL-MRS 10)
- Modem communication support (IL-MRS 15 only)
- Dimensions 180x120 mm (front panel)
- Sealed to IP65

Benefits

- Less wiring and components
- Integrated solution
- Less engineering and programming
- Perfect price/performance ratio

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The Chart of Functions of IntelliLite® Controllers

FUNCTIONS/CONTROLLERS	IL-MRS 10	IL-MRS 15	IL-MRS 11	IL-MRS 16	IL-AMF 20	IL-AMF 25
Binary inputs/outputs	6 / 6	6 / 6	6 / 6	6 / 6	7 / 7	7 / 7
Analog inputs	3	3	3	3	3	3
Pick-up	•	•	•	•	•	•
AMF function	-	-	-	-	•	•
Input configuration	•	•	•	•	•	•
Output configuration	•	•	•	•	•	•
Voltage measurement Gen./Mains	3ph / -	3ph / -	3ph / -	3ph / -	3ph / 3ph	3ph / 3ph
Current measurement	3ph	3ph, IDMT overcurrent	3ph	3ph, IDMT overcurrent	3ph	3ph, IDMT overcurrent
kW/kWh measurement	• / -	• / •	• / -	• / •	• / -	• / •
GCB/MCB control with feedback	- / -	- / -	• ¹⁾ / -	• ¹⁾ / -	• / •	• / •
Extension units (periph.)	-	IGL-RA15, IG-IOM, IGS-PTM	-	IGL-RA15, IG-IOM, IGS-PTM	-	IGL-RA15, IG-IOM, IGS-PTM
Communication interfaces	RS232 ²⁾	RS232, CAN ³⁾	RS232 ²⁾	RS232, CAN ³⁾	RS232 ²⁾	RS232, CAN ³⁾
Modem support	-	•	-	•	-	•
Battery charging alternator circuit	•	•	•	•	•	•

Key: • included; - excluded
 1) GCB control, but without feedback
 2) AT-LINK CONV cable necessary
 3) CAN for periph.

Legend: IG-IOM/IGS-PTM: I/O extension modules
 IGL-RA15: Remote annunciator
 I-RD: Remote display