MCP+ MASTER CONTROL PANEL

For automated filling in emergency generators

Description





Con pantalla táctil a color de alta resolución. amplia conectividad y alto Rendimiento

The INPRO MCP+ control panel for emergency generators is the perfect complement to INPRO fuel transfer systems.

Dimensions (HxWxD in mm)	-
MODEL A	800x600x250
MODEL B	1000x800x250
MODEL C	600x500x200
PROTECTION RATING	IP 66
ENCLOSURE	Metal, Epoxy painted RAL7035
OPERATING TEMP.	0 to 40ºC (32 to 104ºF)
MOTOR PROTECTION	Motor Starter or VFD Drive
	Overload Protection
OUTPUT RELAYS	According to project requirements
INPUT RELAYS	According to project requirements
COMMUNICATION	Modbus RTU (RS 485) (*)
	Modbus TCP IP (Ethernet) (**)
	Others: CANopen, RS232,..(***)
POWER SUPPLY	230 V (I) 50 – 60 Hz
	400 V (III) 50 – 60 Hz
FOR OTHER VOLTAGES PLEASE CONSULT	-
APPROVAL	CE
STANDARDS	EN61131-2:2007
EMC DIRECTIVE	(2004/108/EC)
LOW VOLTAGE DIRECTIVE	(2006/95/EC)

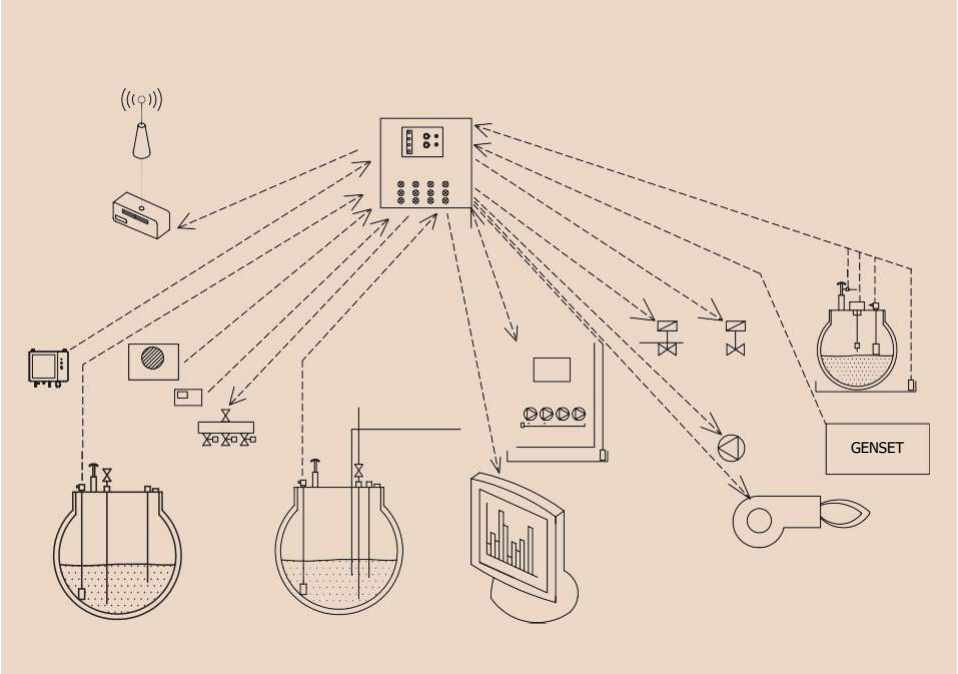
(*) Maximum distance 200 m, speed 0.12 Mbps (115,200 baud).
(**) Maximum distance 100 m, speed 100 Mbps (Cat5 cable) or 1000 Mbps (Cat6 cable). For longer distances, fibre optics and Ethernet/fibre converters will be used as the physical medium.
(***) See more types of communication.

Main technical features

The MCP+ control panel can manage the different filling areas depending on the configuration and requirements of the project, in accordance with the technical layout of the facilities and the distances within the building.

The PLC has multiple communication capabilities, one of the most commonly used being Modbus TCP for sending information between machines and/or to BMS.

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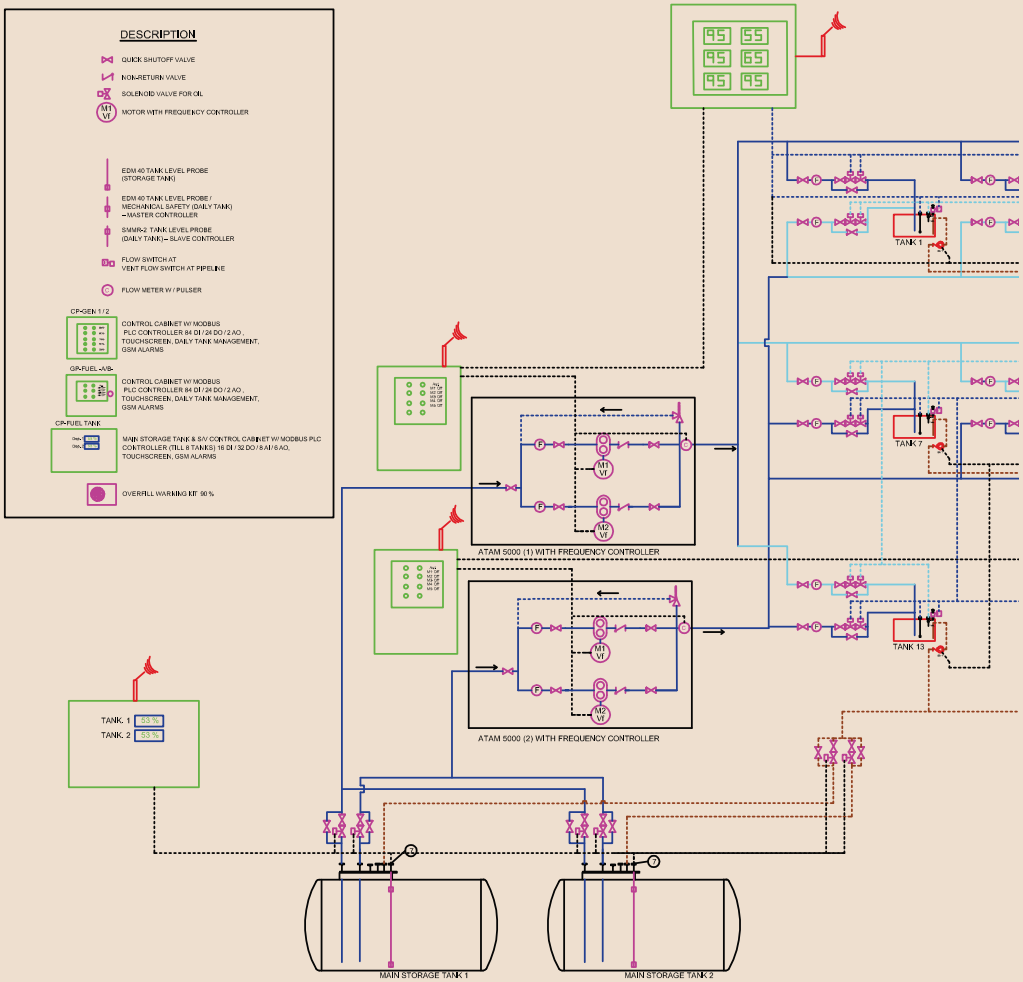
Its main component is a modular controller configured with the analogue/digital input and output cards required for each installation, enabling optimal safety and reliability in each specific installation, such as:

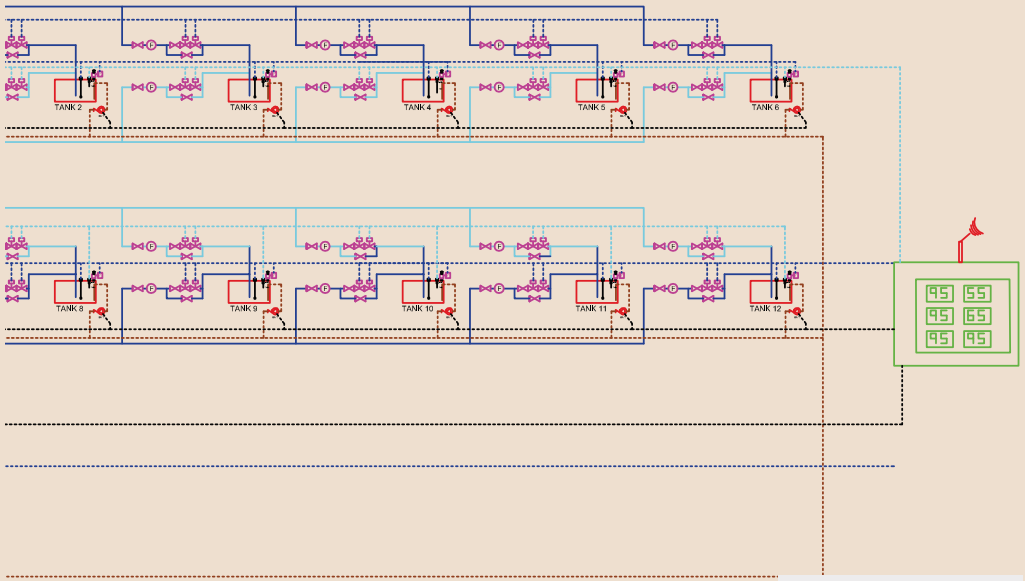
- Main tank level control.
- Daily generator tank level control.
- Transfer pump control.
- Preventive fuel polishing control.
- Flow meter.
- Leak detection.
- Analogue vacuum and pressure sensors.
- Integration with other controllers and systems.
- Digital redundancy signals for safety control.
- Starters and motor thermal protection.

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INPRO ATAM AUTOMATIC DIESEL SUPPLY TO 6 DUPLICATED BACKUP POWER GENERATORS -DUTY AND STANDBY- IN TIER IV REDUNDANCY





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DATASHEET