

# Speedmatic 101110 & 101165

Driver for a single pump at variable speed, it can be communicated to other identical devices managing a maximum of 4 pumps. Communication can be carried out using cables.

Driver for single-phase or three-phase pump managed by INVERTER. General electric supply is 230 Vac. It can be mounted individually (only one pump) or in group of 2, 3 or 4 pumps communicated and operating in MASTER-SLAVE mode with alternated sequence of operation. The communication of 2 devices is direct -using cables. The communication of 3 or 4 units is carried out through of the communication center SPEEDCENTER



101110

101165

## OPERATING CHARACTERISTICS

- Pump managed by frequency converter (inverter).
- **ART function** (Automatic Reset Test). If the device has been stopped due to the action of the safety system against dry operation, the ART tries to connect the pump, with a programmed periodicity because the water supply could have been restored.
- **MASTER-SLAVE** operation mode. Up to 4 communicated units operating in mode MASTER-SLAVE: a main device configured as a MASTER and the rest of devices configured as SLAVES. The operating system is alternated, the device configured as MASTER is the responsible of the control but it does not imply that is the first to start when there is flow demand.
- **Automatic restore system** after an interruption of power supply. This system restores the previous mode keeping the configuration parameters.
- Electronic input for detection of minimum water level in aspiration tank- optional. This system is independent of the safety system against dry-running operation.
- Inner pressure transducer with digital indicator.
- Inner current sensor with instantaneous digital reading.
- **Register of operational parameters.** Information about: operating hours, counter of starts, counter of connections to the power supply.
- **Register of alarms.** Information about type and number of alarms.
- Open PID in the expert menu.



Low Voltage Directive 2014/35/EC  
Electromagnetic Compatibility 2014/30/EC  
RoHS 2011/65/EC + 2015/863/EC

## TECHNICAL CHARACTERISTICS

	101110	101165
Power supply voltage	1 x 230 Vac	1 x 230 Vac
Frequency	50/60 Hz	50/60 Hz
Max current per phase pump	10A (~3x230 Vac) o 9A (~1 x 230 Vac)	6A (~3x230 Vac) o 5A (~1 x 230 Vac)
Max peak of current	+20% 10seg	+20% 10seg
Max operating pressure	15 bar	15 bar
Range of set pressure	05 ÷ 12 bar	05 ÷ 12 bar
Protection degree	IP55	IP55
Max water temperature	40 °C	40 °C
Max environment temperature	50 °C	50 °C
Net weight (without cables)	2,5 kg	2,5 kg
Inlet and outlet threads	G 1 1/4"	G 1 1/4"
Max flow	10.000 l/h	10.000 l/h

## CONTROL PANEL



Control panel includes LCD screen, warning leds, push-buttons, START-STOP, AUTOMATIC and configuration system.

## SAFETY SYSTEMS

- Control and safety system against overloads.
- Electronic control and safety system against dry-running operation.
- Control and safety system against wrong supply voltage.
- Control and safety system against short-circuit between output phases.

## DIMENSIONS

