

GIDPC THREE PHASE

SINGLE PUMP, THREE PHASE (1.5 TO 16 A EACH)

TWO PUMPS, THREE PHASE (1.5 TO 16 A EACH)

The GIDPC three-phase digital pump controller model is an easy-to-use device for direct start, can be programmed, and also protects the pump. The equipment is in three-phase with output power ranging from 0.75 kW – 7.5 kW (1.5 - 16 A). The controller has many operation modes for adapting different pumping applications. Important features that distinguish the GIDPC Series Digital Pump Controllers from other controllers are the push-button calibration for overload and the ability of dry run protection without float switches.

It shows pump parameters, status, faults, etc. The controller is useful in all cases where there is a need to control and protect pump installations and manage the automatic operation by a variety of switching methods.



TYPICAL APPLICATIONS

- Storm water
- Rainwater reuse
- Sewage
- Irrigation
- Booster sets
- Water supply

FEATURES

- **Built-in function switch for:**
 - Drainage by water level control through float switches
 - Boosting water supply by pressure control through pressure switch
 - Transfer of water by water level control through float switches
- Dry run protection without float switches
- Auto/ manual switch with screen lock in AUTO mode
- Dynamic LCD displaying for pump running status
- Protect the pump against many faults
- Push button calibration
- Pump accumulative run time
- Last five fault records
- RS485 communication (Modbus)
- Starts and stops the pump in accordance with liquid levels or pressure settings
- Pump shaft is anti-rust

Main Technical Characteristics	
Control characteristic	Double liquid level control Pressure control
Working modes	Manual / auto
Drainage application	By using float switch
Pressure Boosting application	By using pressure switch
Water Transfer application	By using float switch
Main Technical Data	
Rated output power (amperes)	8 A, 12 A and 16 A
Rated input voltage	415 V / 50 Hz / 3 Phase
Trip response time of over load	5 sec - 5 min
Trip response time of open phase	< 2 sec
Trip response time short circuit	Less than 0.1 sec
Trip response time of under/over voltage	Less than 5 sec
Trip response time of dry run	6 sec (adjustable)
Recovery time of over load	30 min (adjustable)
Recovery time of under/over voltage	5 min
Recovery time of dry run	30 min (adjustable)
Trip voltage of over voltage	115 % of rated input voltage
Trip voltage of under voltage	80 % of rated input voltage
PROTECTIONS COVERED	
	Dry run (without float/ probe)
	Overload (auto-calibrated or can be set)
	Transient surge
	Under voltage
	Over voltage
	Pump stalled
	Short circuit
	Phase loss (incoming & outgoing)
	Phase reversal
	Pump shaft anti rust protection
Other Technical Data	
Permissible ambient temperature	-5 to +50 deg C
Degree of protection	IP 55

PRODUCT RANGE

Part Code	Model	Voltage	PHASE	Current I (A)	Number of Pump	Dimensions			Panel Protection	Weight [kg]
						L	W	H		
98719402	GIDPC 1 Pump, 3 Phase, 8 A, Auto	380 - 415	3	Up to 8 AMPS	1 W	225	300	100	IP 55	3
98719406	GIDPC 1 Pump, 3 Phase, 12 A, Auto	380 - 415	3	Up to 12 AMPS	1 W	225	300	100	IP 55	3
98719408	GIDPC 1 Pump, 3 Phase, 16 A, Auto	380 - 415	3	Up to 16 AMPS	1 W	225	300	100	IP 55	3
99210628	GIDPC 2 Pump, 3 Phase, 8 A, Auto	380 - 415	3	Up to 8 AMPS	1W+1S	320	420	138	IP 55	5.5
99210629	GIDPC 2 Pump, 3 Phase, 12 A, Auto	380 - 415	3	Up to 12 AMPS	1W+1S	320	420	138	IP 55	5.5
99140817	GIDPC 2 Pump, 3 Phase, 16 A, Auto	380 - 415	3	Up to 16 AMPS	1W+1S	320	420	138	IP 55	5.5

For all pumps, electrical supply is 1 phase 220 Volts AC, 50 Hz