

APP 521

Product

Flygt's APP 521 is produced for small and medium sized pump stations with basic pumping functionality that can control one or two pumps with or without alternation. It can easily be installed in your control panel since the APP 521 consists of an I/O unit and an operator panel. You can use Flygt's level regulator. When navigate and use the functions of APP 521 you will find how easy it is to use, setup and get total control of your pump station. Flygt's APP 521 can as well communicate to a higher sophisticated Scada System that log data and provide statistics and trend reports, preferably Flygt's AquaView for easy installation and maintenance.

Denomination

40 501150	APP 521, 24 V DC
40 501151	APP 521, 100-240 V AC

Power Supply

Supply Voltage	100-240 V AC or 24 V DC (switched power supply operating on both 110 and 230 V AC)
Current Consumption	< 200mA at 230 V AC < 1A at 24 V DC

Fuse

24 V DC	1,1 A
100-240 V AC	3.15 A

Rated Voltage

24 V DC	Max 18-36 V DC
100-240 V AC	Max 100-240 V AC

Rated Power

24V DC	20 W
100-240 V AC	20 W

Relay outputs

240 V AC or 30 V DC	2 A
---------------------	-----

Approved Standard

EMC emission Standard	EN61000-6-3
EMC immunity standard	EN61000-6-2
LVD electrical safety	EN61010-1
CSA	C22.2 No. 14-95

Environment

Operational temperature	-20° C till +50° C
Storage Temperature	-10° C till +70° C
Humidity (non-condensing)	90% RH
Enclosure, Operator panel:	IP 65
Enclosure, I/O unit:	IP 20

Material

I/O unit

Weight	0.9 kg
Enclosure	Aluminum
Side gable	Painted steel
Upper side	Polycarbonate

Operator Panel

Weight	1 Kg
Enclosure	Galvanized steel
Gasket	EPDM
Overlay	Polyester

Data Processing power

Processor	Motorola HCS12
Executed word length	16 bits
Clock frequency	32 MHz
Application Memory (Flash)	128 kB
System Memory (Flash)	128 kB
Parameter Memory (EEPROM)	8 kB
Battery backup	Yes, Real-time clock
Watchdog	Yes

Options/Accessories

40 501152	Communication module
40 500521	Power supply (Pow100)
40 501190	Battery Charging Unit for APP 2 Ah
40 501210	Current Transformer 50/1 A

Approved modems

Contact your local ITT Flygt supplier for valid modems in your area.

User Interface

Display	LCD 2x20 character
Push buttons	8 pcs
LED indications	8 pcs
Communication	Protocol: Aqua COM

Digital Inputs

Pump error ³	Pump1, Pump 2
Tripped circuit breaker	Pump1, Pump 2
Start confirmation	Pump1, Pump 2
Auto pump	Pump1, Pump 2