

SUBDRIVE DUPLEX ALTERNATOR

BALANCED WORKLOAD FOR PARALLEL SYSTEMS

The SubDrive Duplex Alternator from Franklin Electric allows a water system to alternate between two parallel pumps controlled by separate SubDrives using the traditional SubDrive pressure sensor. The user-selected switching interval balances the run time of each pump system to evenly disperse the workload. The SubDrive Duplex Alternator is ideal for applications requiring redundant systems.

For high-demand situations, the SubDrive Duplex Alternator works on a lead-lag principle. When demand exceeds the capacity of one pumping system, the other comes online to supplement production.

APPLICATIONS

- Schools
- Restaurants
- Hospitals
- Car washes
- Small municipal water systems

FEATURES

- Ability to work with any two Franklin SubDrives, MonoDrives, or QuickPAKS using the traditional SubDrive pressure sensor
- Push-button design to select switching interval; 1–24 hours or manual
- Indicator lights to show time settings, status, and faults for each pump
- Safe operation using a 120 VAC/12 VAC outdoor rating and low voltage wiring connection
- Fail-safe design (system still produces water if alternator is taken offline)
- Simple installation
- Fault detection
- Optional alarm contacts
- NEMA 4 enclosure protects against:
 - Rain, sleet, snow, and external ice
 - Splashing or hose-directed water
 - Falling dirt or windblown dust



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MODELS

Model No.	Drive Type
5870202003	SubDrive Utility UT2W
5870202303	SubDrive Utility UT3P
5870205103C	SubDrive15
5870205313C	SubDrive20
5870205403C	SubDrive30
5870205503C	SubDrive50
5870203384	SubDrive75
5870204104	SubDrive100
5870204154	SubDrive150
5870206300	SubDrive300
5870203114	MonoDrive
5870204114	MonoDriveXT
90401101	Inline 1100
90411101	Inline CP

SPECIFICATIONS

SubDrive Duplex Alternator (Model No. 5850012000)		
Power Source to Indoor/Outdoor Transformer	Voltage	115 VAC
	Frequency	60 Hz
Power to Controller	Voltage	12 VAC
	Frequency	60 Hz
	Power*	1.4 Watts
Pressure Setting**	Factory Preset	50 psi
	Adjustment Range	25-80 psi
Operating Conditions	Indoor/Outdoor	NEMA 4 enclosure
	Temperature	-13 to 125 °F (-25 to 51 °C)
	Relative Humidity	0-100%, non-condensing or condensing
Controller Size (approximate)	Outer Dimensions	5.8" H x 5.8" W x 3.6" D
	Weight	1.3 lbs (0.59 kg)

* Power is on the secondary side of transformer

** Pressure sensors must be set at least 3 psi apart

DIMENSIONS

